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FIGURE 1

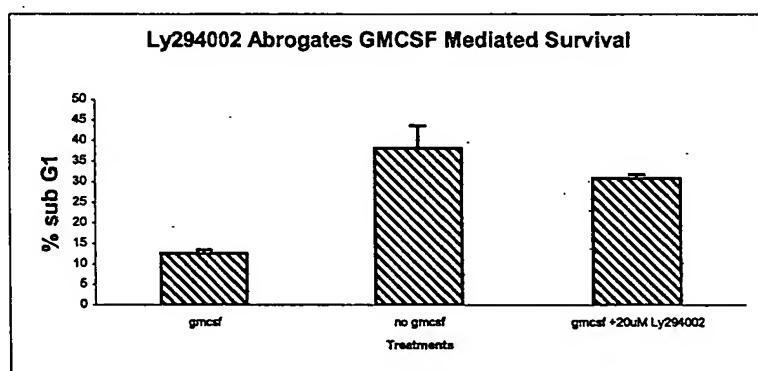
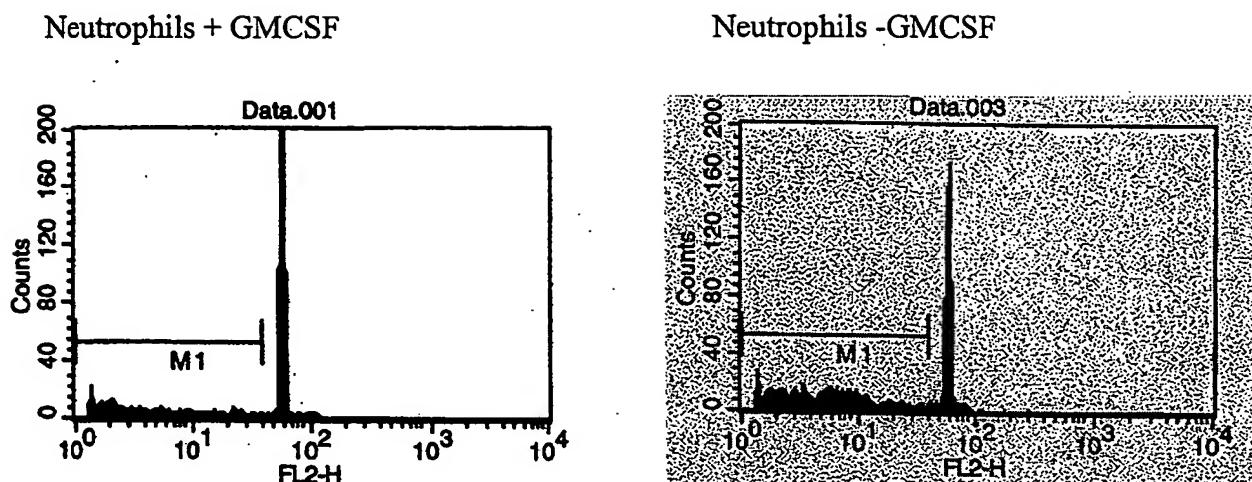


FIGURE 2

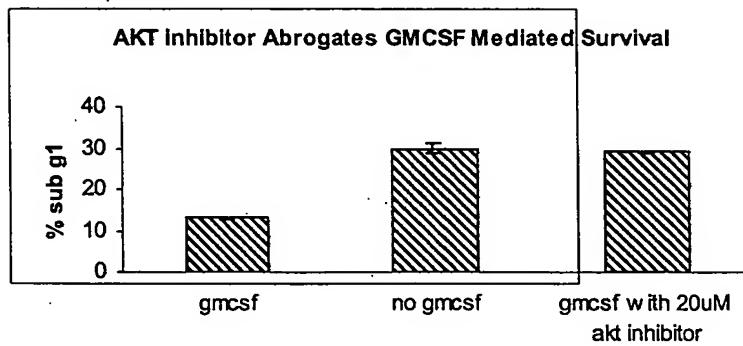


FIGURE 3

FIGURE 4

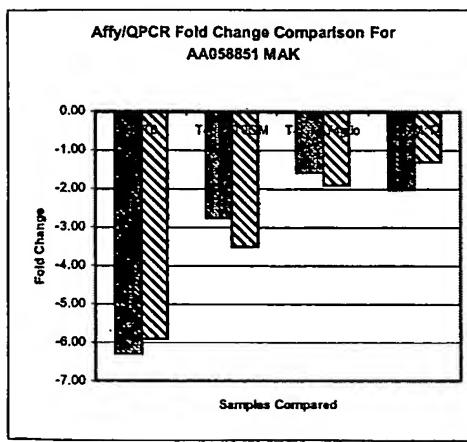
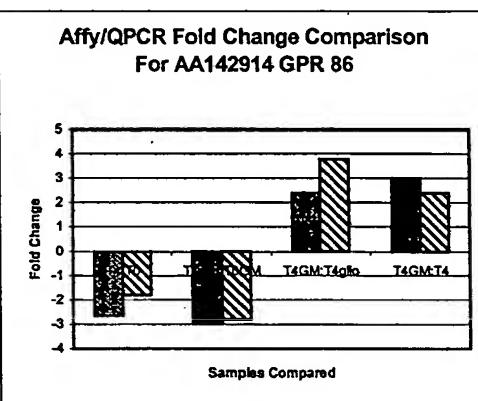
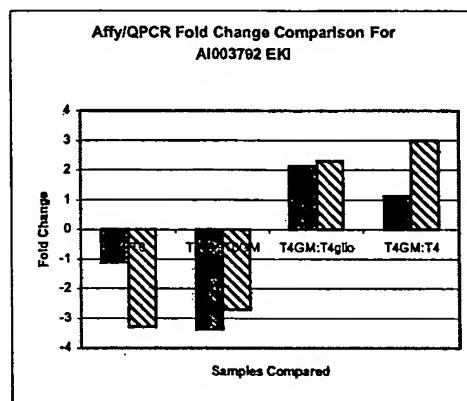
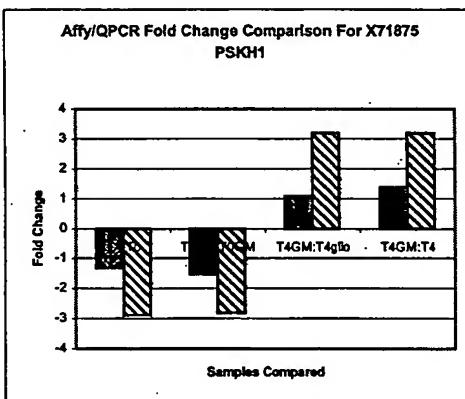
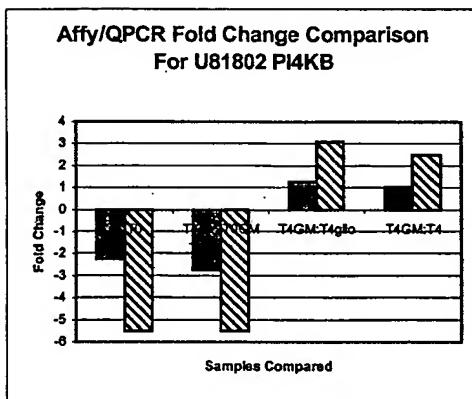
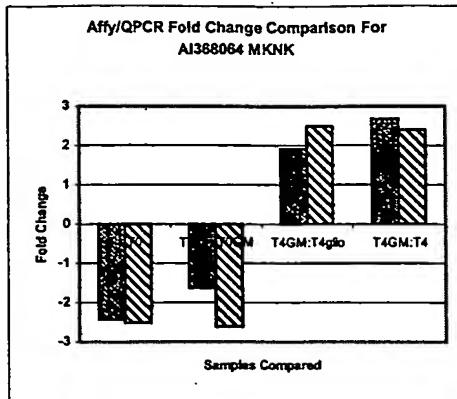
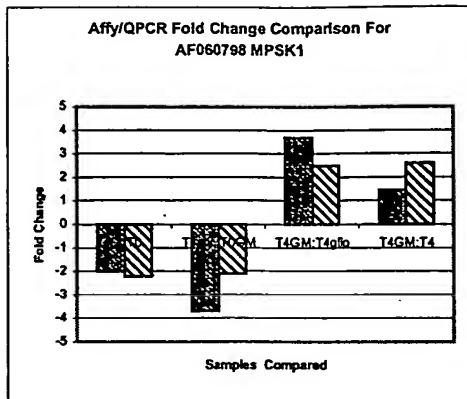
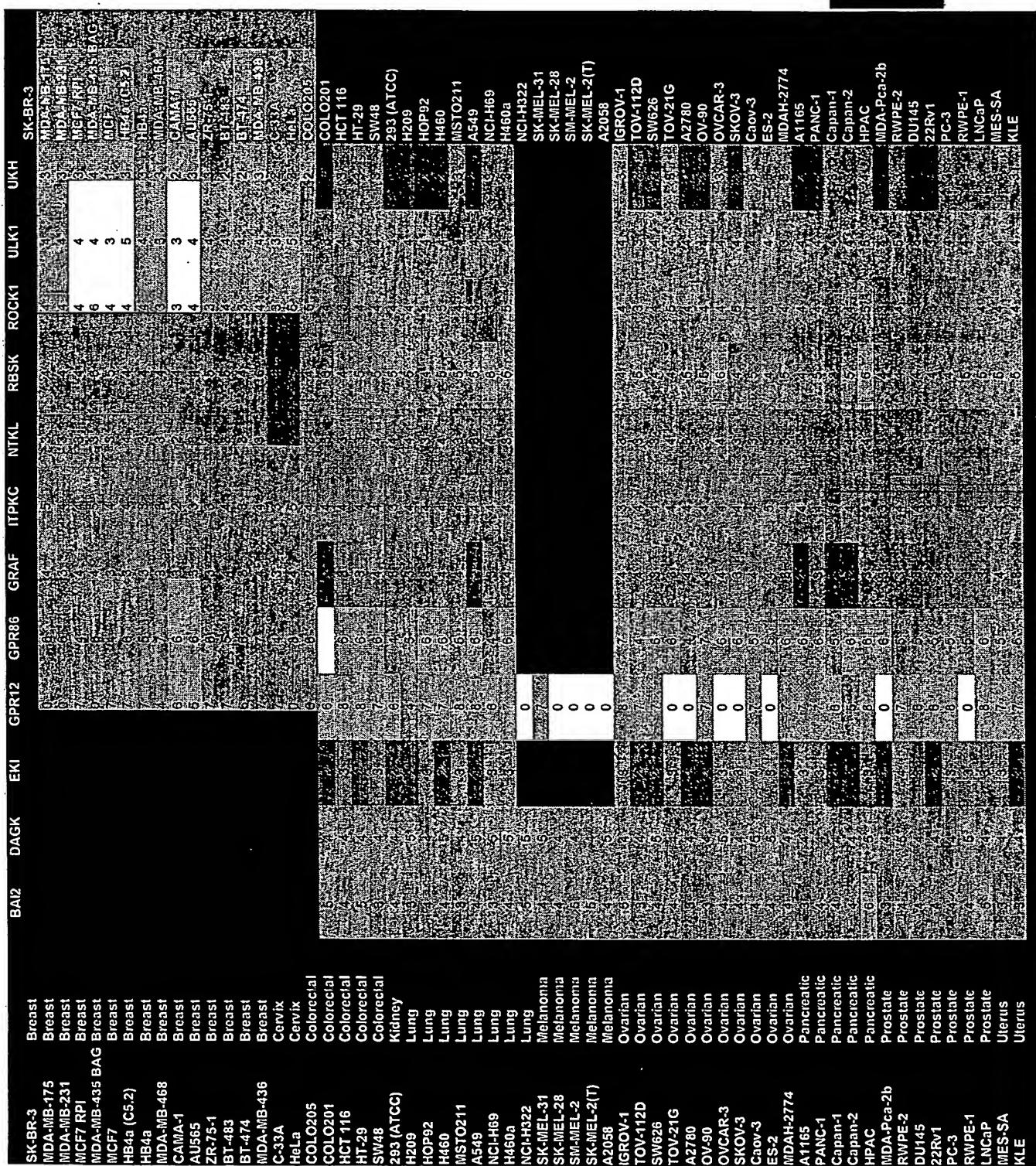


FIGURE 5



+GMCSF

-GMCSF

FIGURE 6

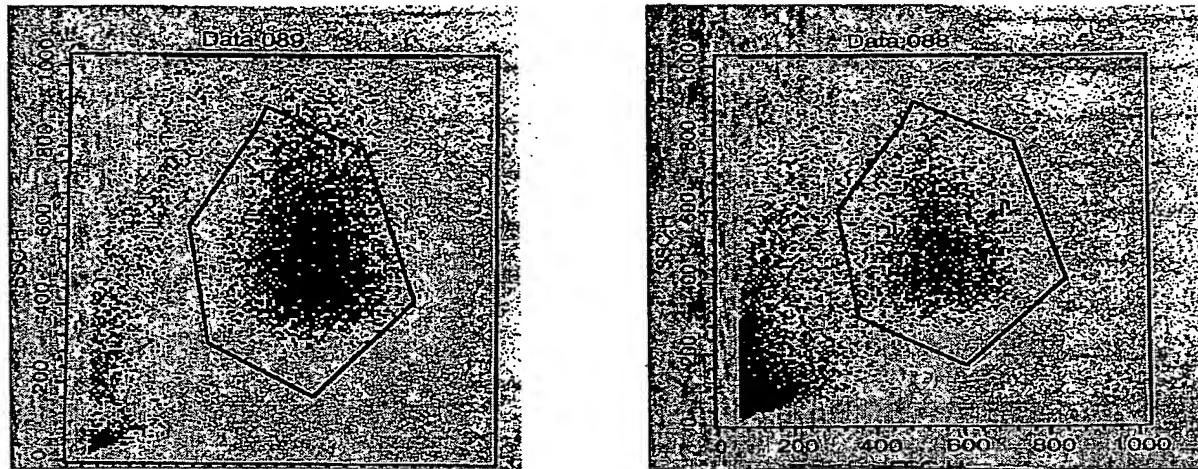


FIGURE 7

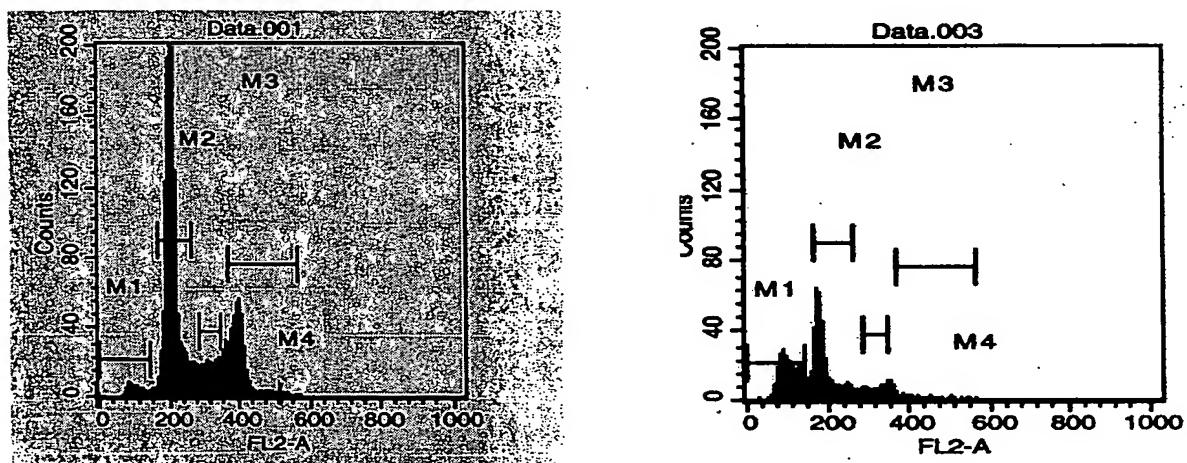
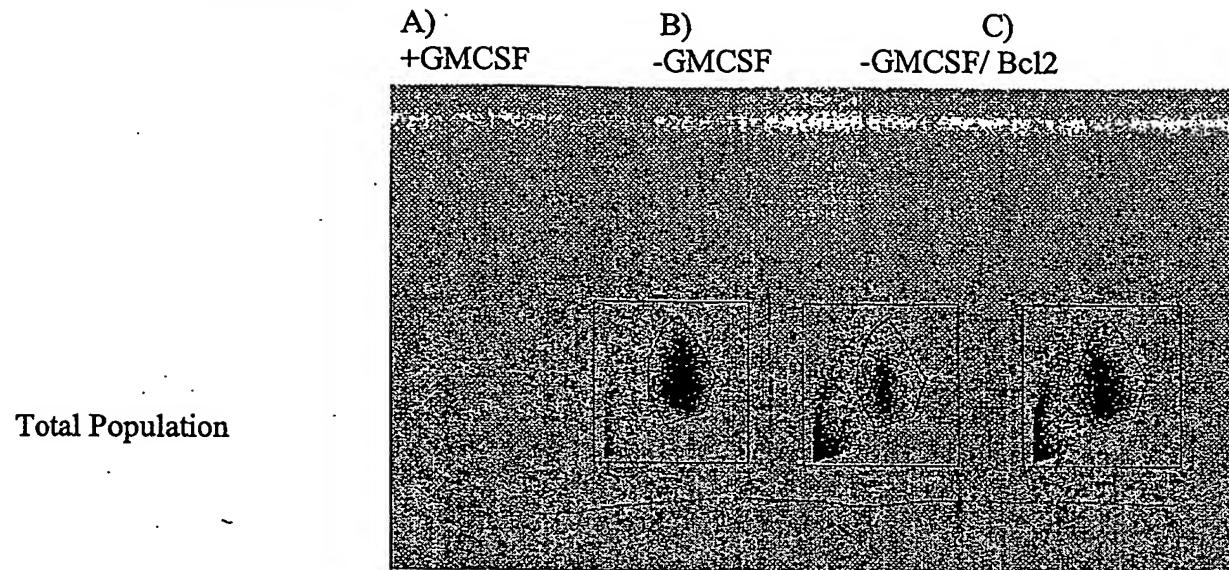


FIGURE 8



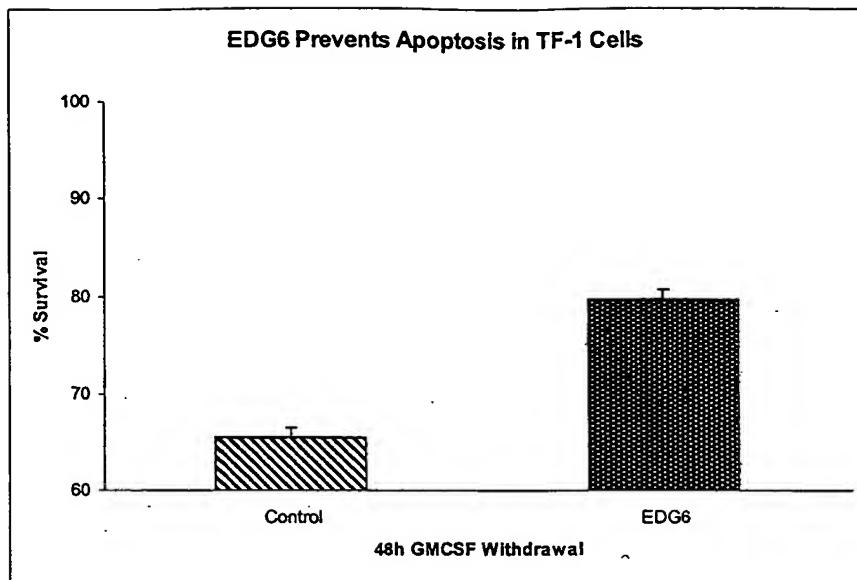


FIGURE 9

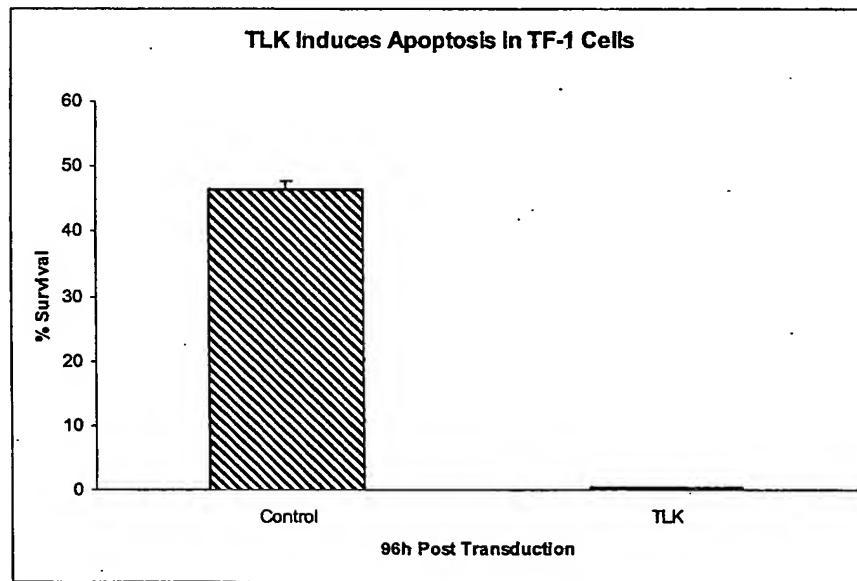


FIGURE 10

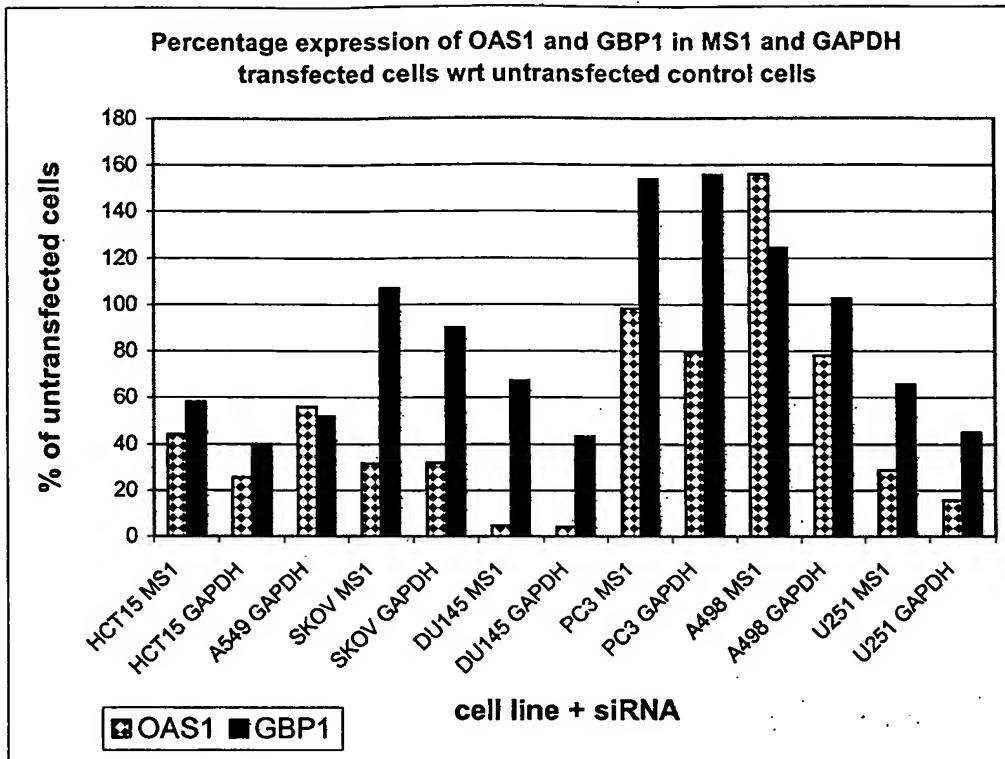
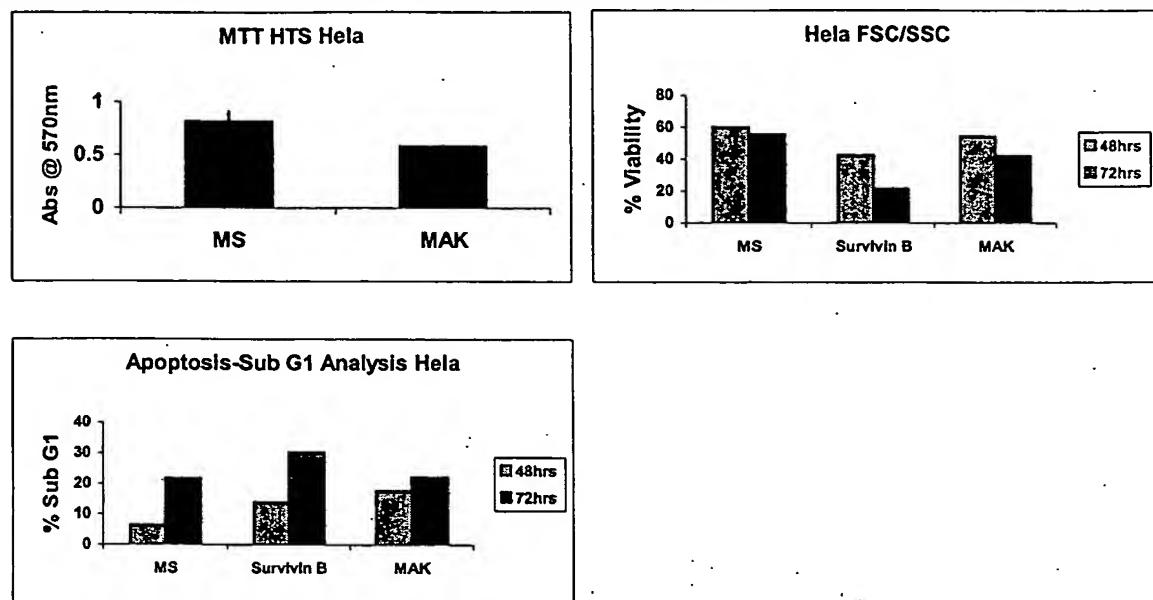


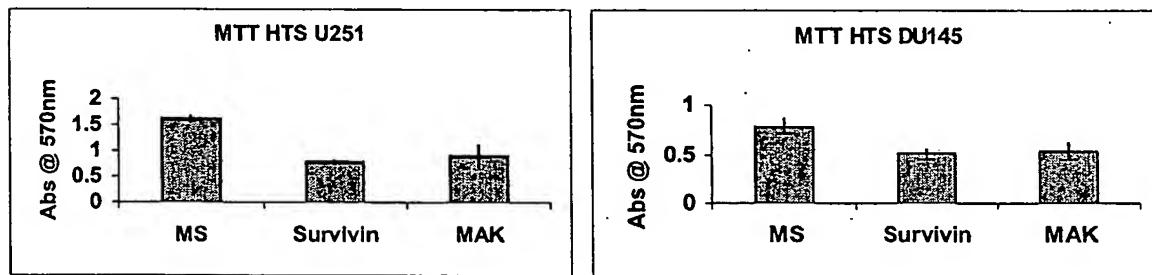
FIGURE 11

Figure 12 Apoptosis modulation by siRNA Knockdown of MAK

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cancer Cell Lines as determined by MTT HTS Analysis.



(c) Knockdown of MAK does not induce Apoptosis in the following cell types as detected by MTT HTS.

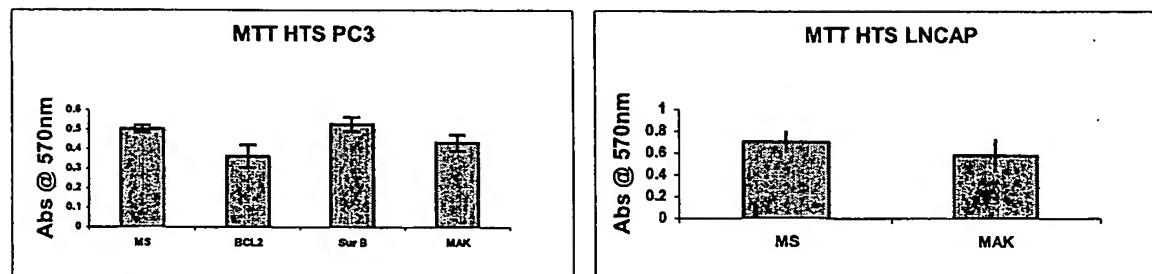
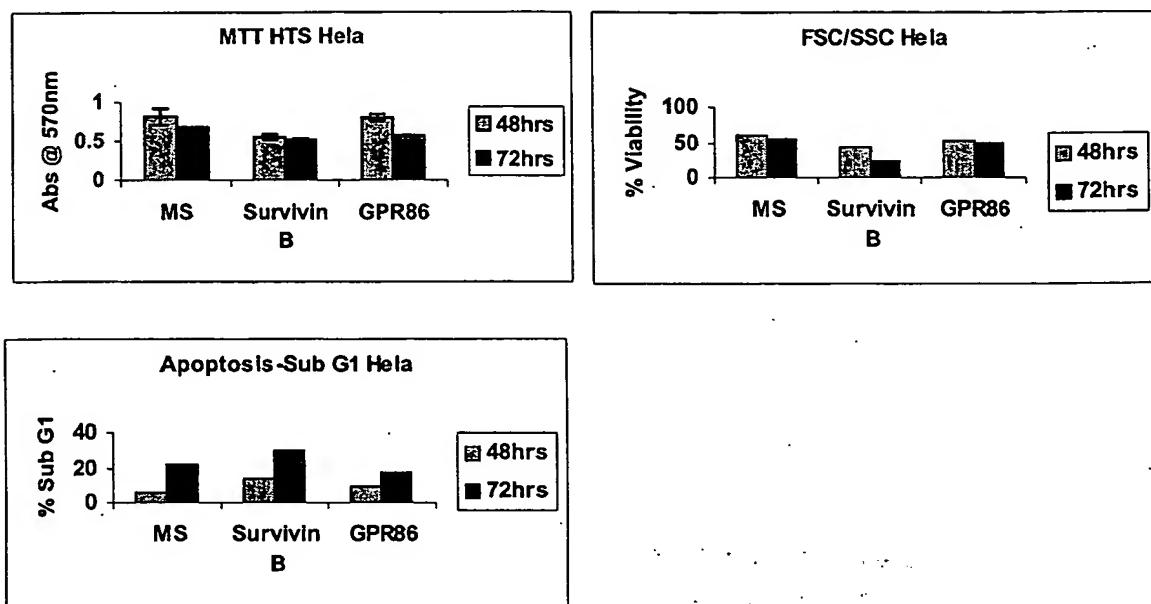
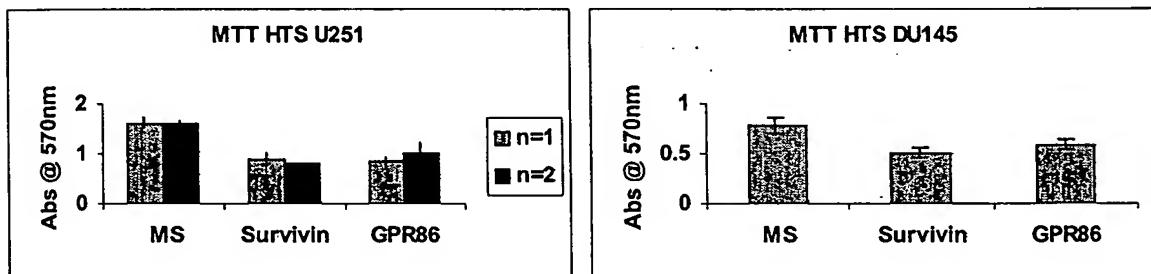


Figure 13 Apoptosis modulation by siRNA Knockdown of GPR86

(a) Apoptosis in the Hela Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cancer Cell Lines as detected by MTT HTS Analysis.



(c) Apoptosis induced in other Cell Lines as detected by FSC/SSC Analysis.

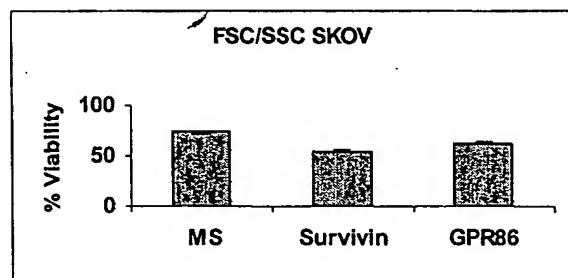
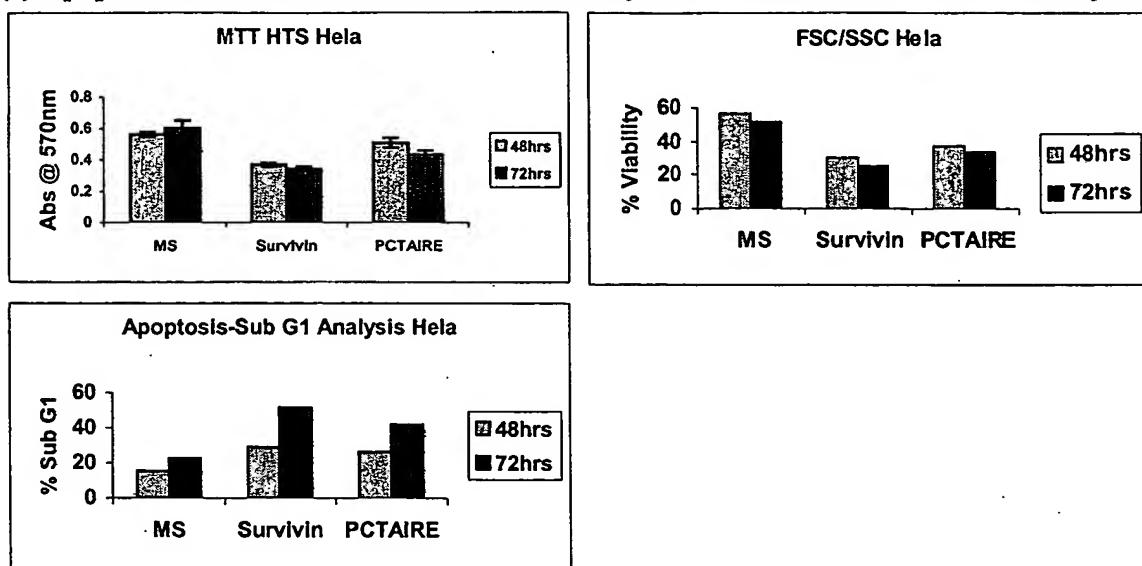
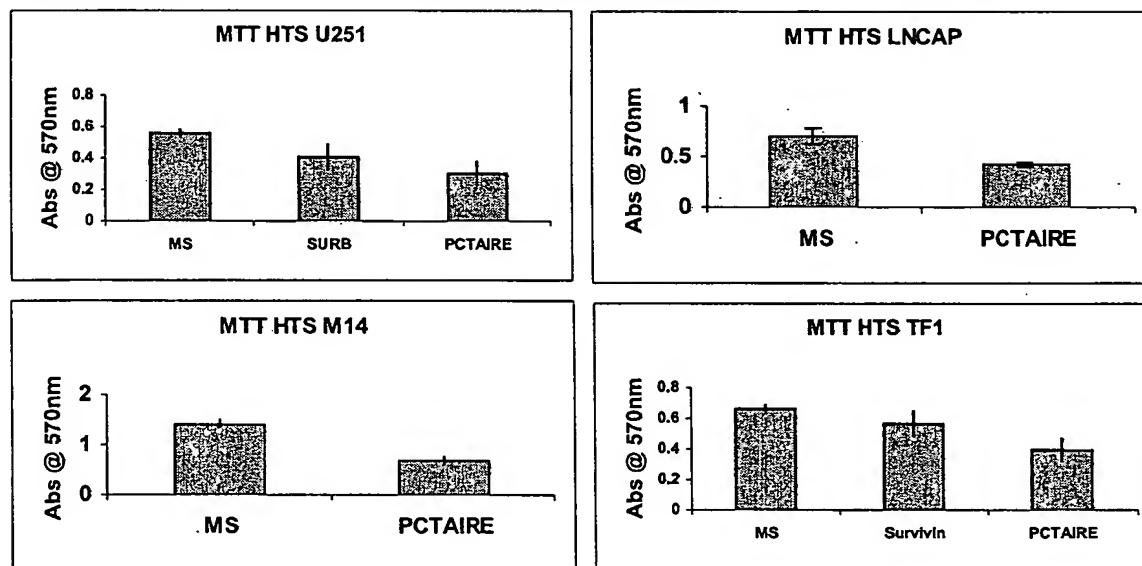


Figure 14 Apoptosis modulation by siRNA Knockdown of PCTAIRE

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis induced in other Cell Lines as detected by MTT HTS Analysis.



(c) Knockdown of PCTAIRE does not induce Apoptosis in the Prostate cancer cell type as detected by MTT HTS.

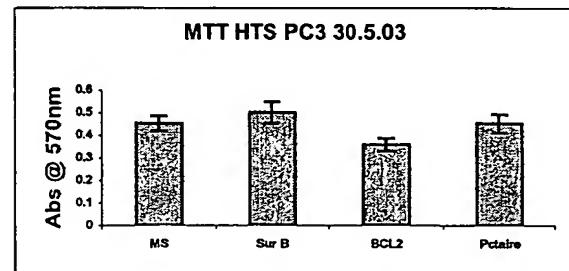
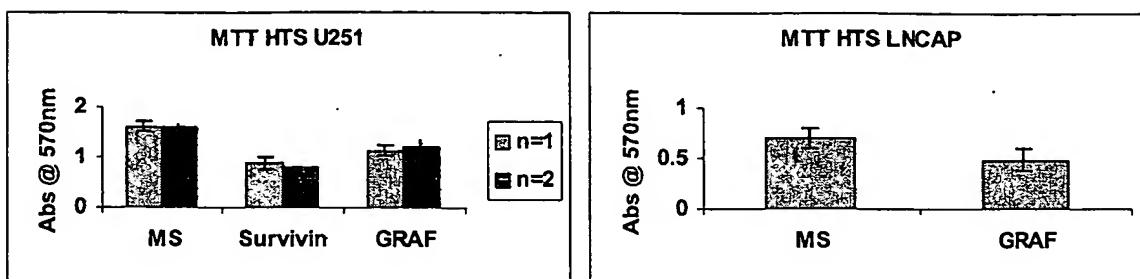


Figure 15 Apoptosis modulation by siRNA Knockdown of GRAF

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(b) GRAF knockdown does not induce Apoptosis in the Hela cervical cancer cell line as detected by MTT HTS.

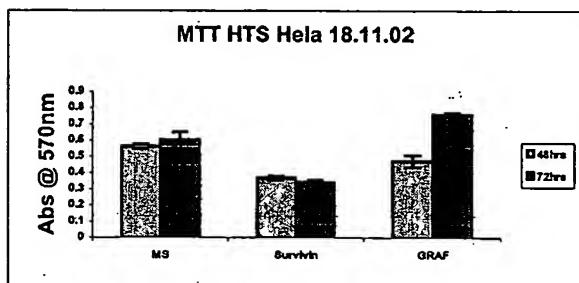
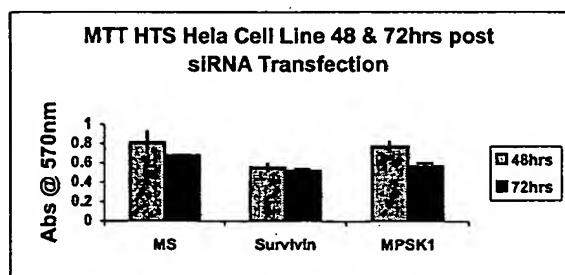


Figure 16 Apoptosis modulation by siRNA Knockdown of MPSK1

(a) Knockdown of MPSK1 does not induce Apoptosis in the Hela cervical cancer cell line as detected by MTT HTS.



(b) Apoptosis induced in Cancer Cell Lines as detected by MTT HTS Analysis.

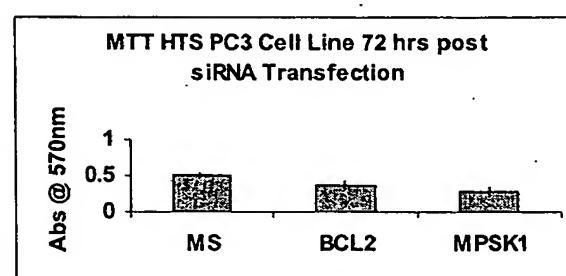
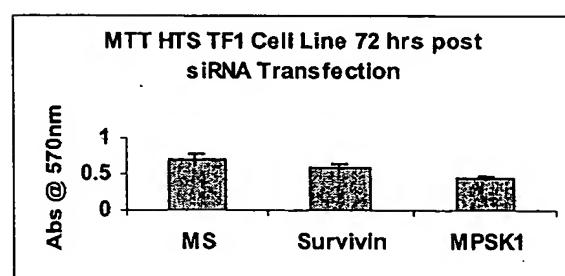
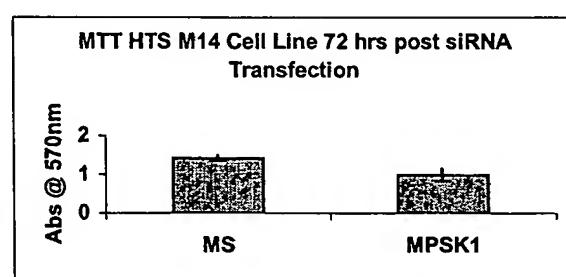
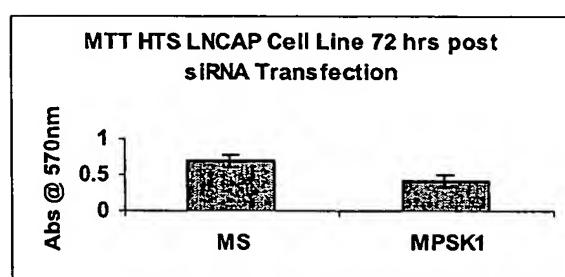
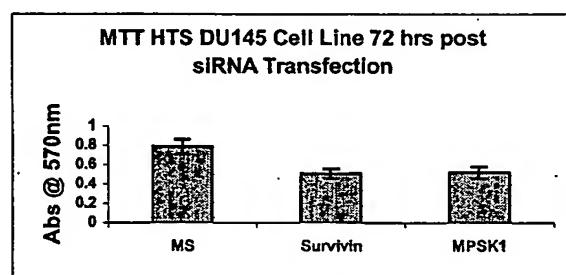
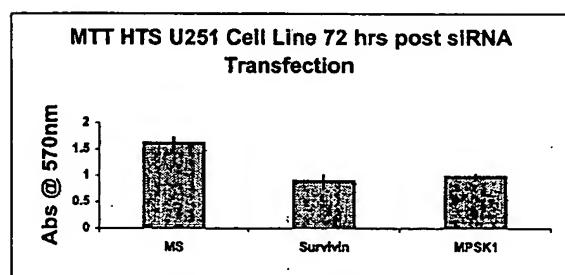


Figure 17 Apoptosis modulation by siRNA Knockdown of RS6PK

(a) Apoptosis induced in the CNS Cancer Cell Line as detected by MTT HTS Analysis.

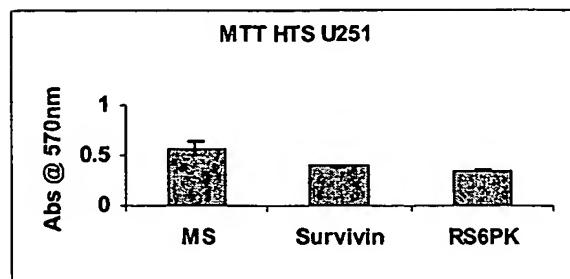
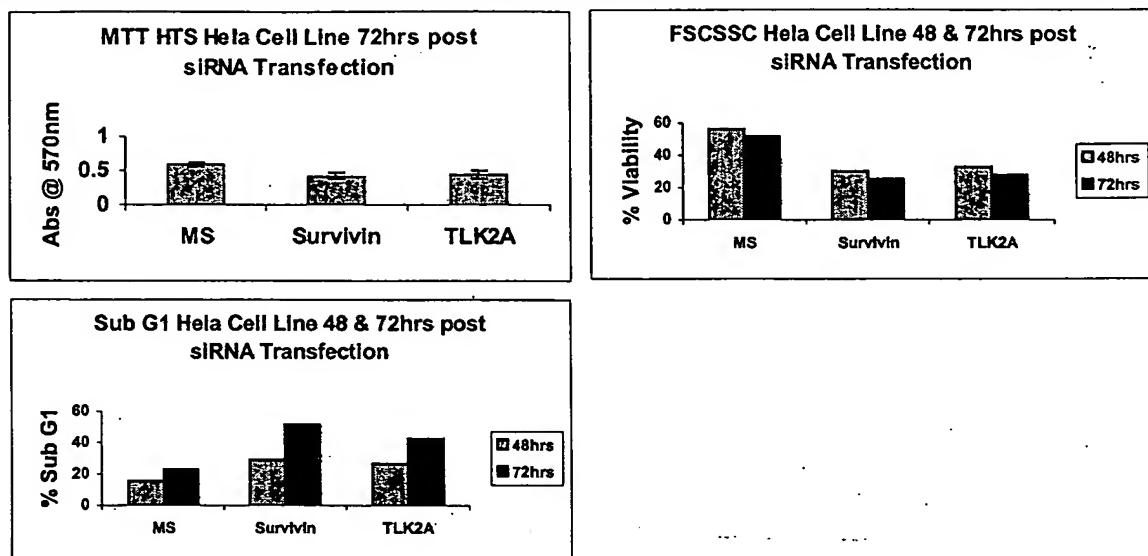


Figure 18 Apoptosis modulation by siRNA Knockdown of TLK2
 Note that 2 siRNA Oligos to TLK2 are investigated i.e. TLK2A and TLK2B.

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

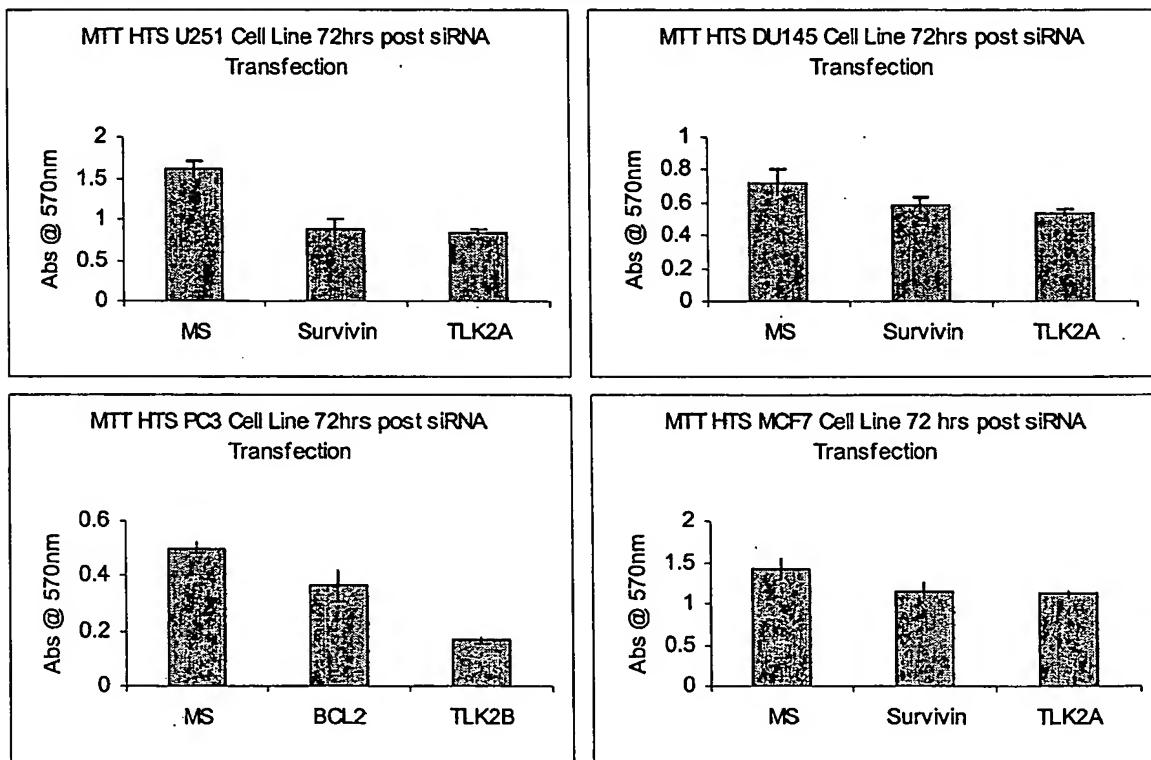
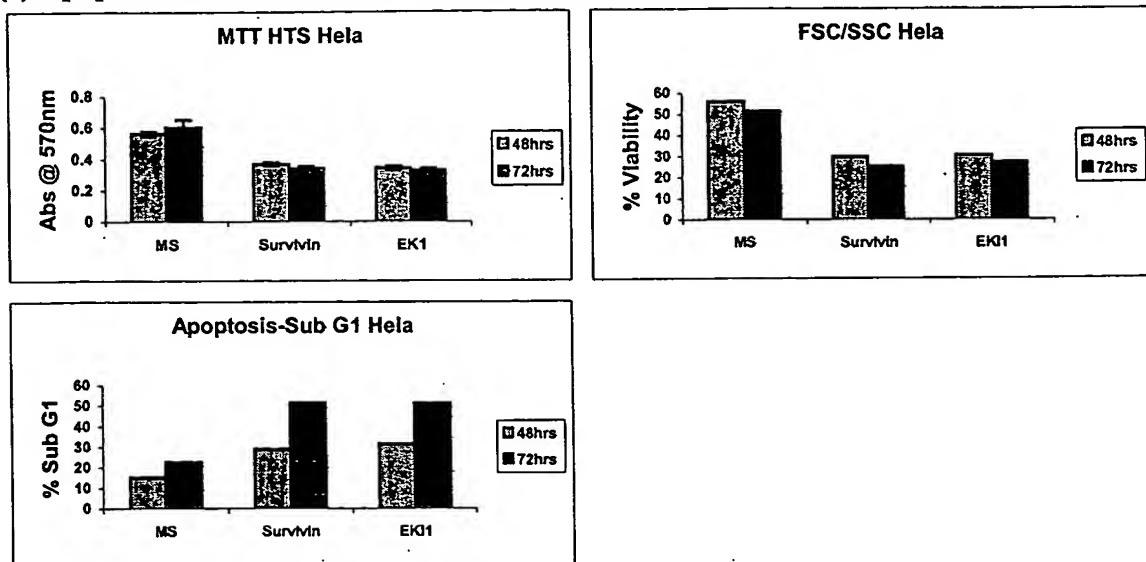


Figure 19 Apoptosis modulation by siRNA Knockdown of EK1

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

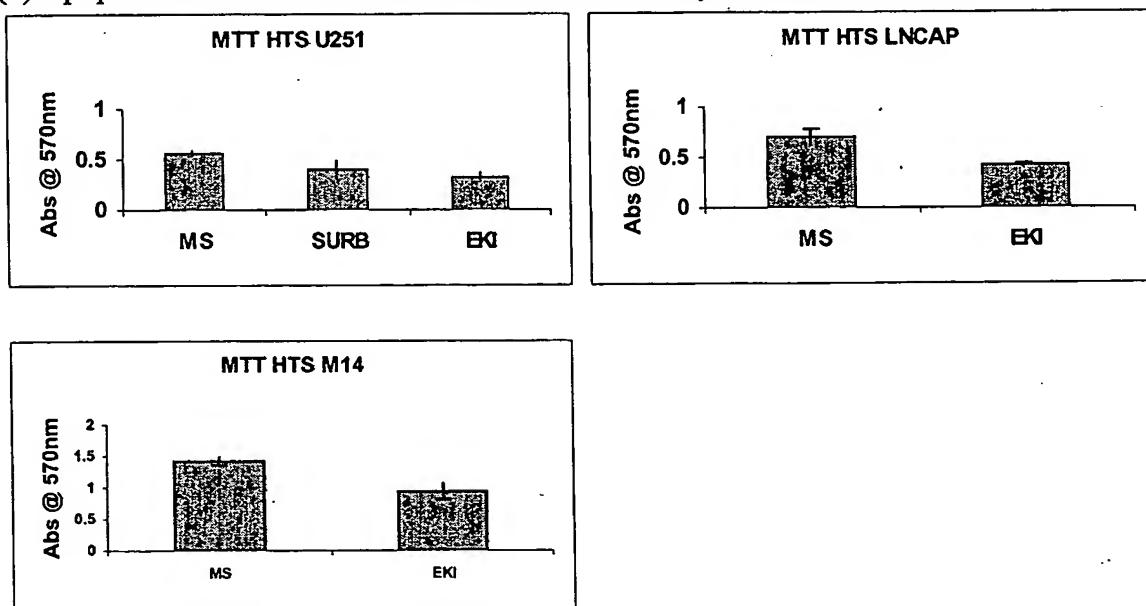
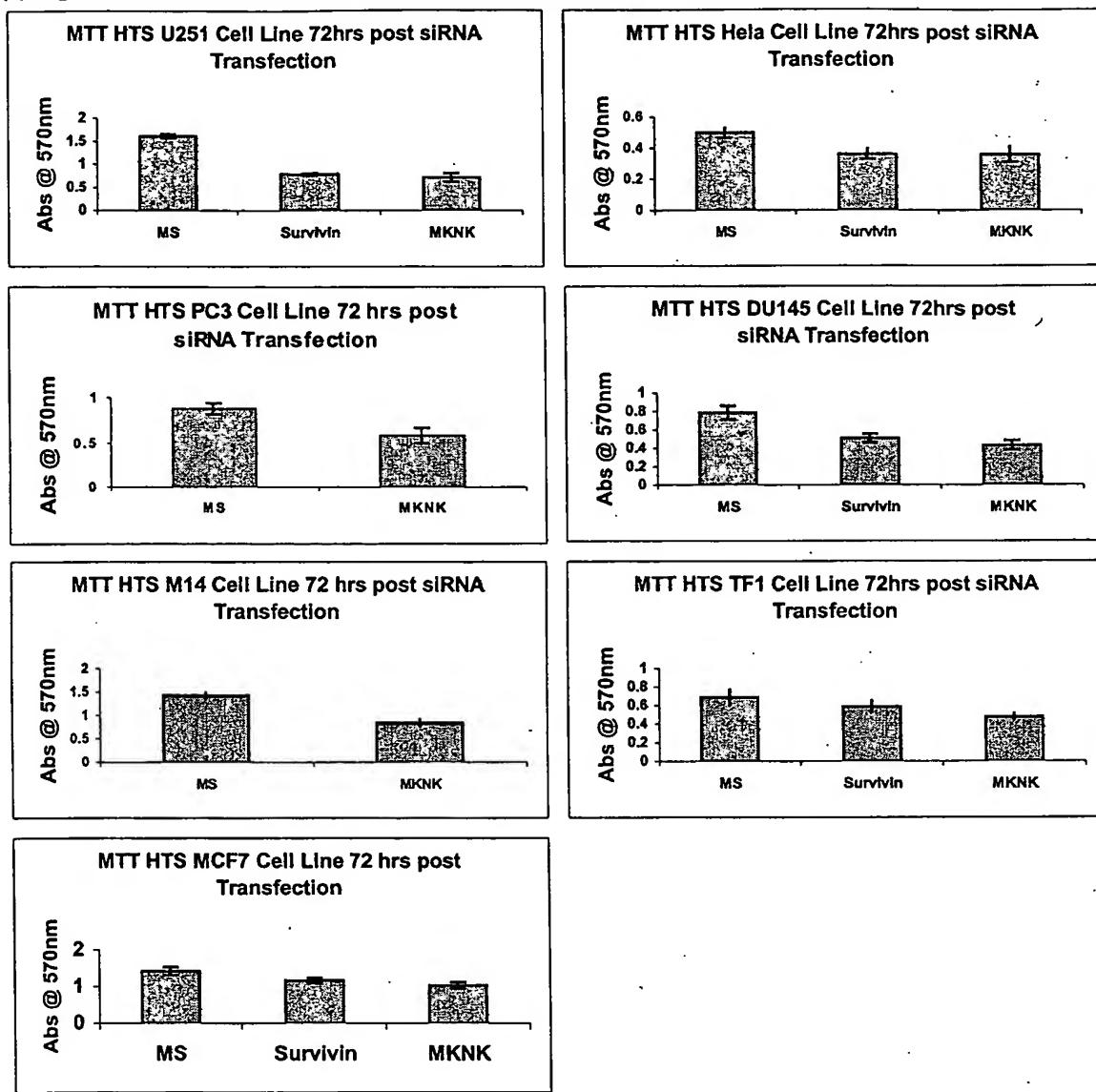


Figure 20 Apoptosis modulation by siRNA Knockdown of MKNK

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(B) Apoptosis in SKOV3 Cancer Cell Line as detected by FSC/SSC Analysis.

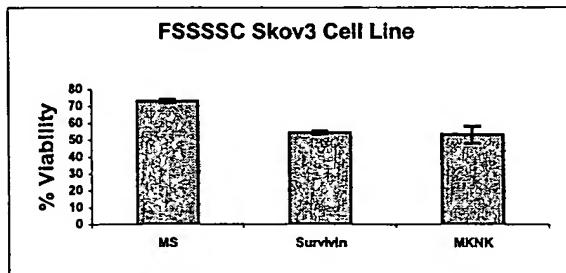
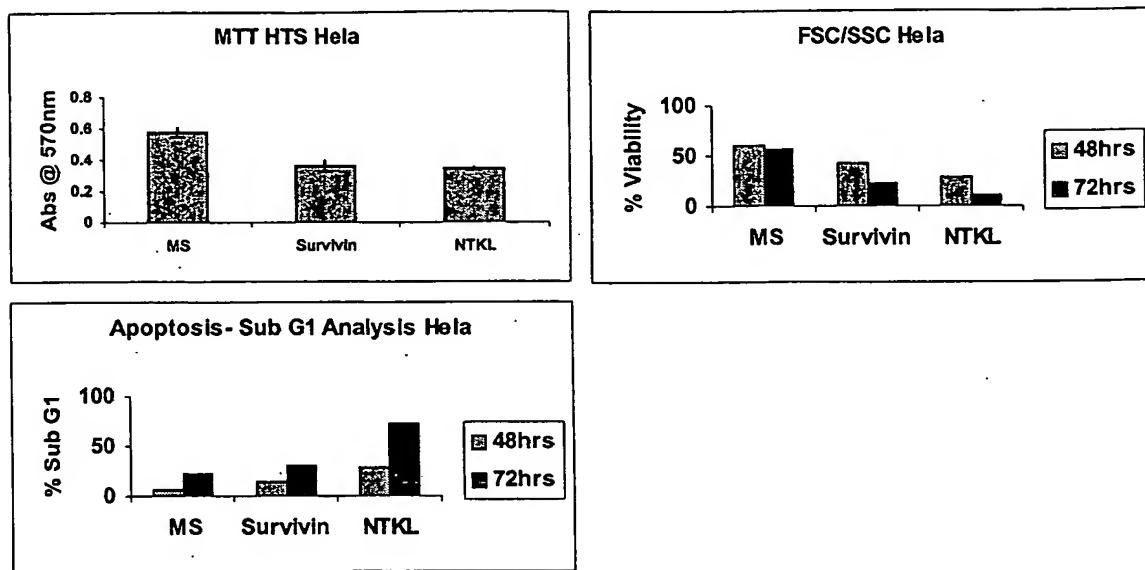


Figure 21 Apoptosis modulation by siRNA Knockdown of NTKL

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in the U251 Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.

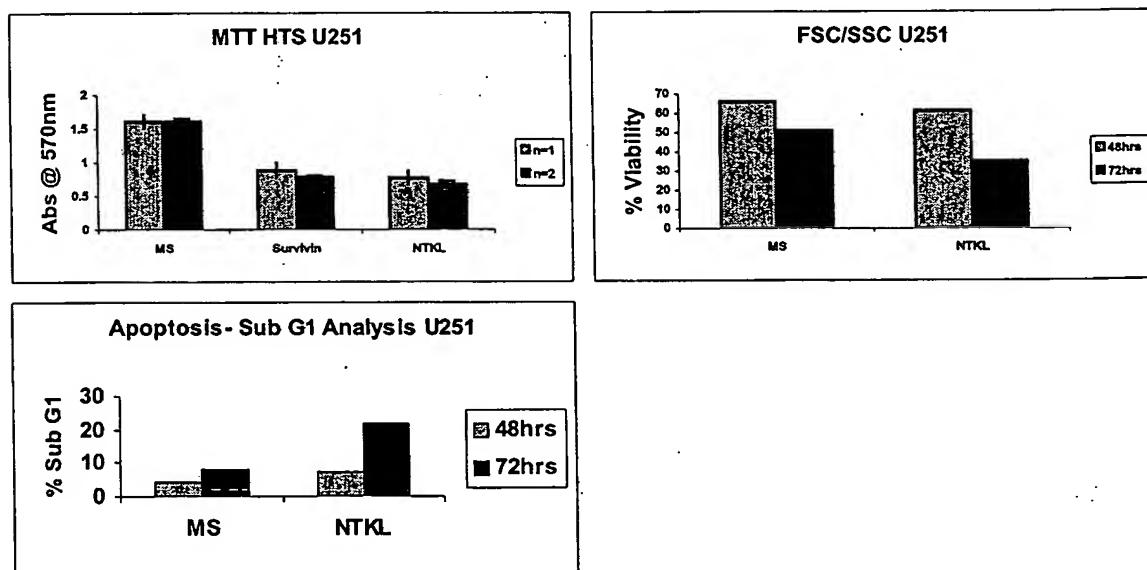
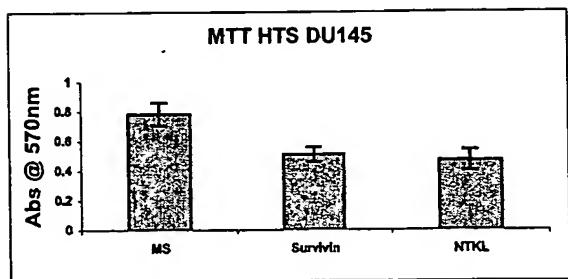


Figure 21 cont'd

(c) Apoptosis in the Prostate Cancer Cell Line DU145 as detected by MTT HTS Analysis.



(d) No Apoptosis was induced in the LNCAP Prostate Cancer Cell Line as detected by MTTHTS Analysis.

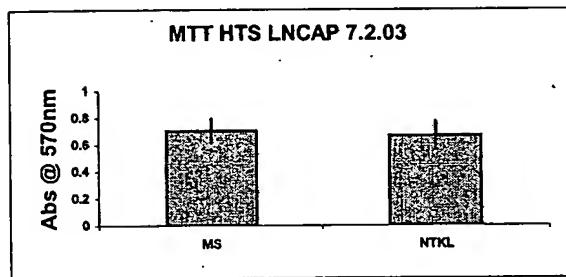
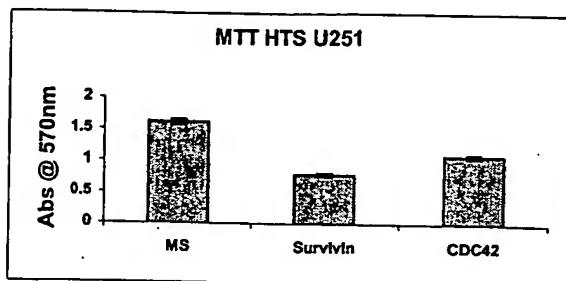
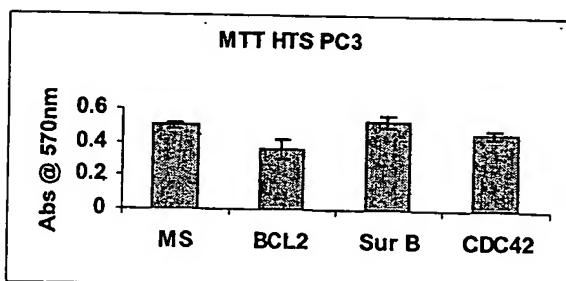


Figure 22 Apoptosis modulation by siRNA Knockdown of CDC42

(a) Apoptosis in the CNS Cancer Cell Line as detected by MTT HTS Analysis.



(b) Apoptosis was not induced in the following Prostate Cancer Cell Line as detected by MTT HTS Analysis.



(c) Apoptosis was not induced in the HeLa cell line by MTT HTS, FSC/SSC or Sub G1 Analysis.

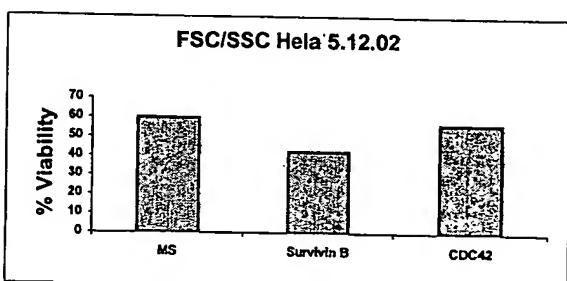
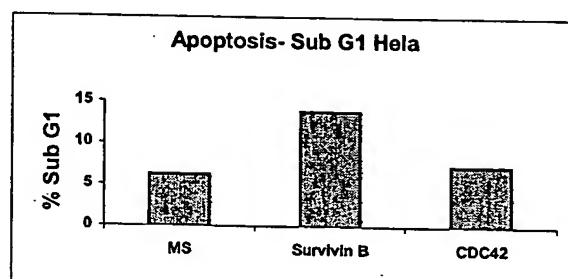
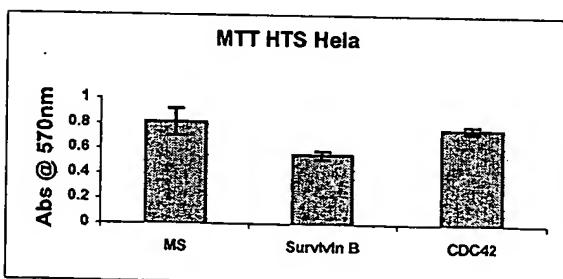
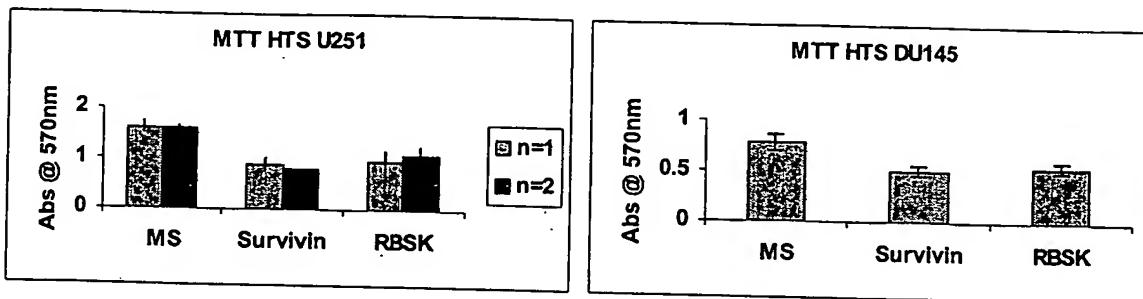


Figure 23 Apoptosis modulation by siRNA Knockdown of RBSK

(a) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.



(b) Apoptosis was not induced in the Hela Cancer Cell Line as detected by MTT HTS, FSC/SSC and Sub G1 Analysis.

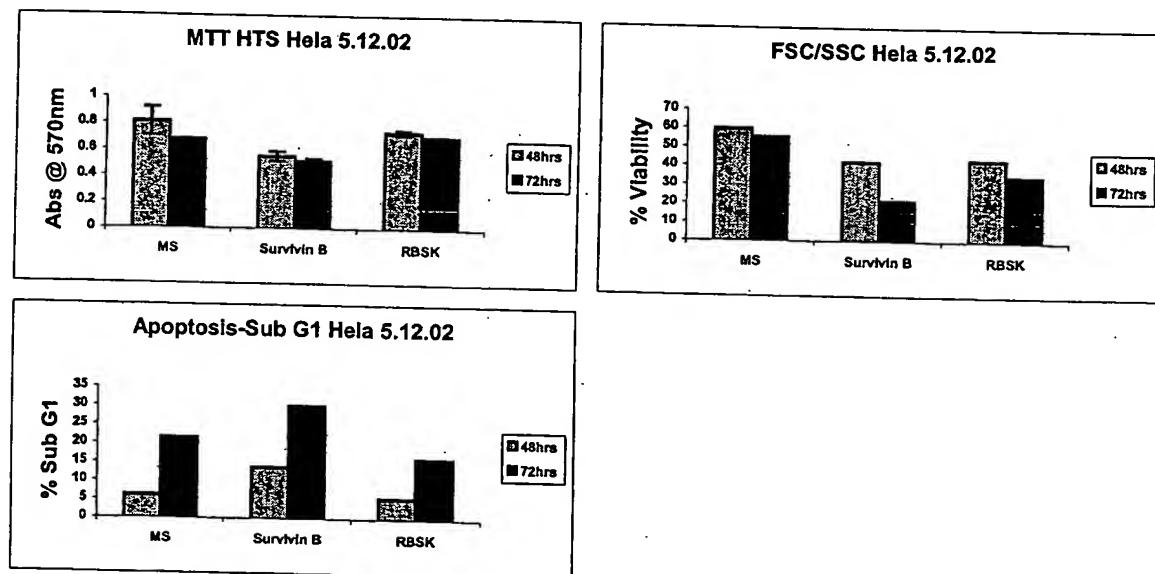
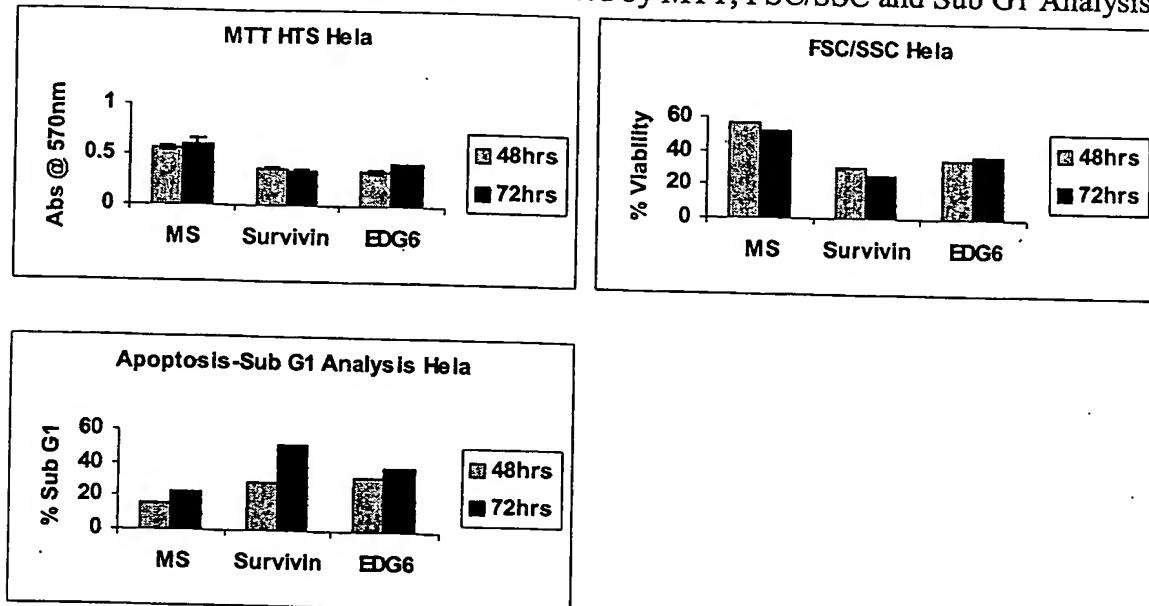


Figure 24 Apoptosis modulation by siRNA Knockdown of EDG6

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in other Cancer Cell Lines as detected by MTT HTS Analysis.

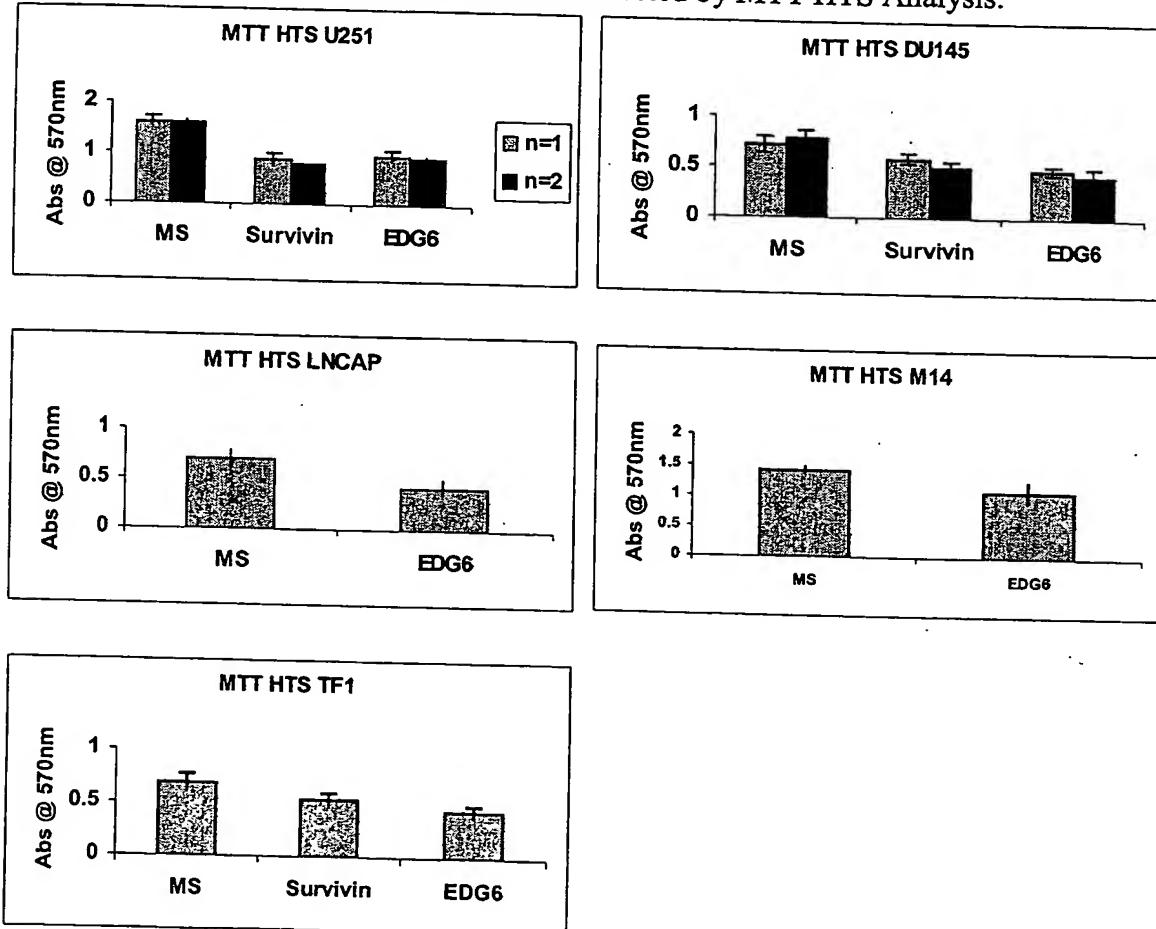
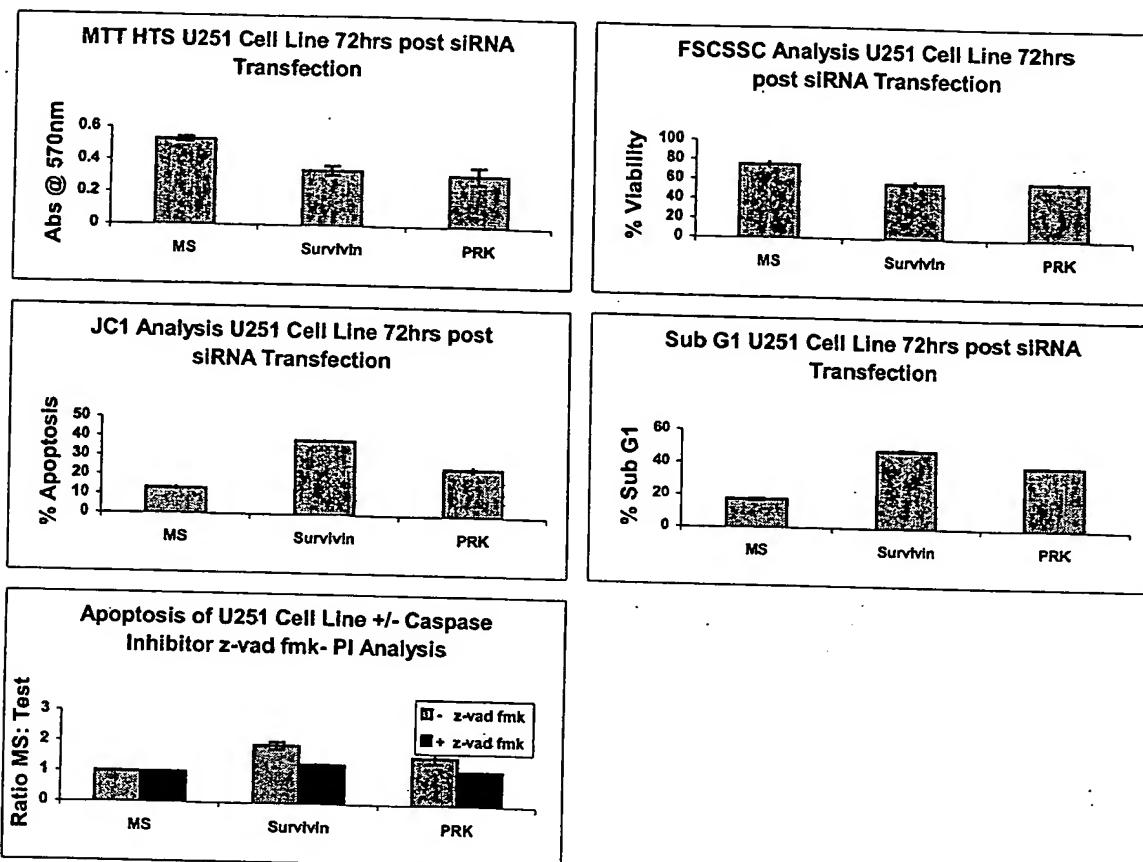


Figure 25 Apoptosis modulation by siRNA Knockdown of PRK

(a) Apoptosis in the U251 Cell Line as detected by MTT, FSC/SSC, Sub G1 Analysis, JC1 and Caspase Activation Assays.



(b) No Apoptosis is induced in the PC3 Cell Line as detected by MTT HTS and Sub G1 Analysis.

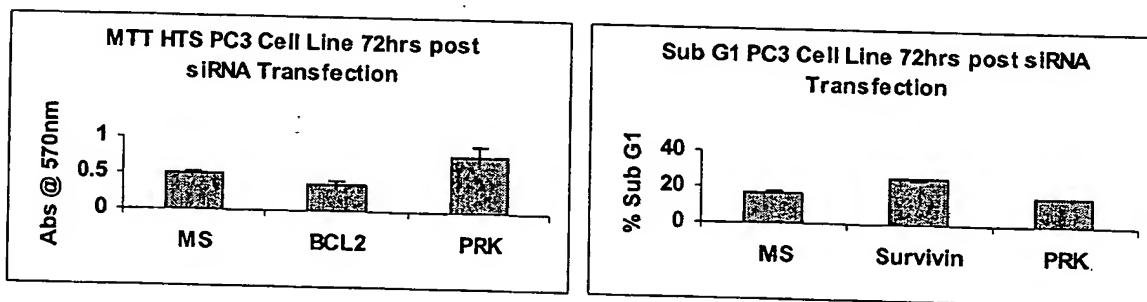
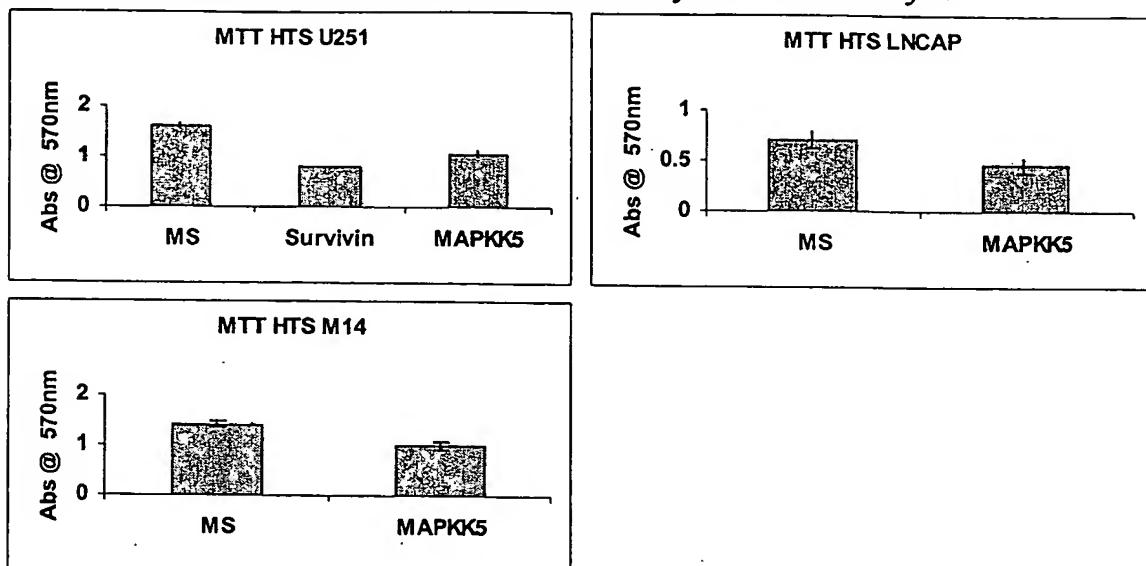
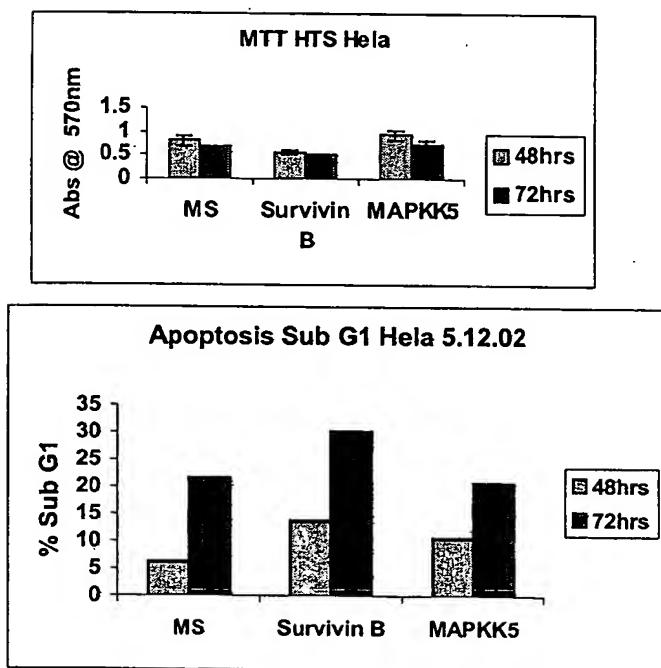


Figure 26 Apoptosis modulation by siRNA Knockdown of MAPKK5

(a) Apoptosis in the Cancer Cell Lines as detected by MTT HTS Analysis.



(b) Apoptosis is not induced in the Hela Cancer Cell Line as detected by MTT HTS or Sub G1 Analysis.



(c) Apoptosis in the DU145 Cell Line as detected by FSC/SSC Analysis.

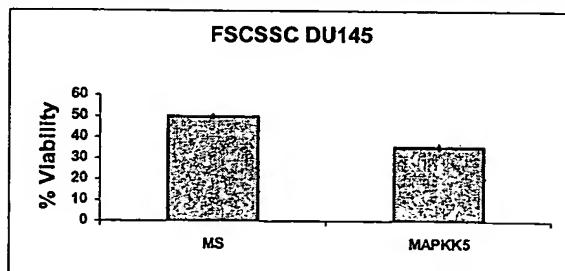
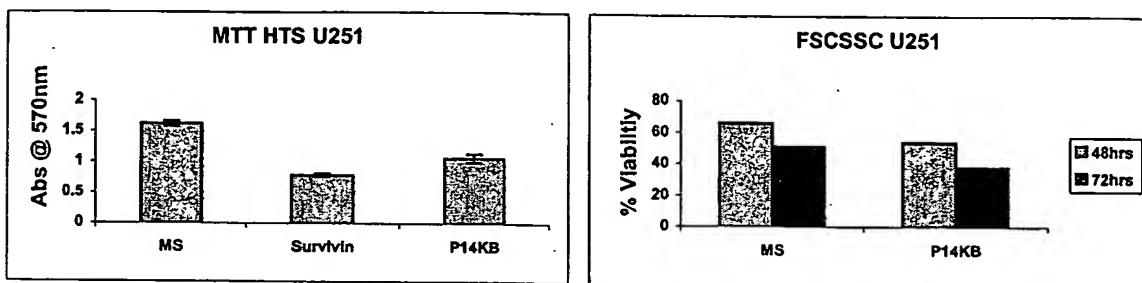
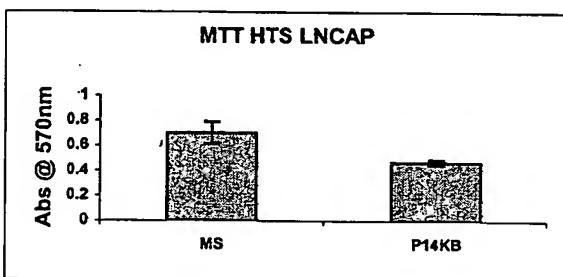


Figure 27 Apoptosis modulation by siRNA Knockdown of P14KB

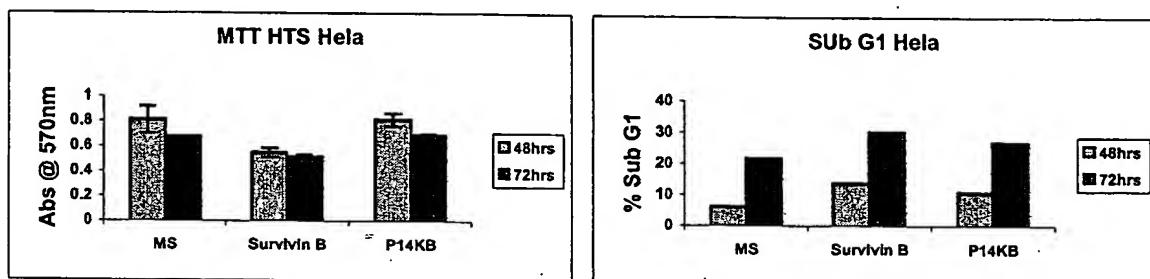
(a) Apoptosis in the U251 Cancer Cell Line as detected by MTT HTS and FSC/SSC Analysis.



(b) Apoptosis in the Prostate Cancer Cell Lines, DU145, as detected by MTT HTS Analysis.



(c) Apoptosis is not induced in the Hela Cancer Cell Line as detected by MTT HTS and Sub G1 Analysis.



(d) Apoptosis is not induced in the PC3 Cancer Cell Line as detected by FSC/SSC Analysis.

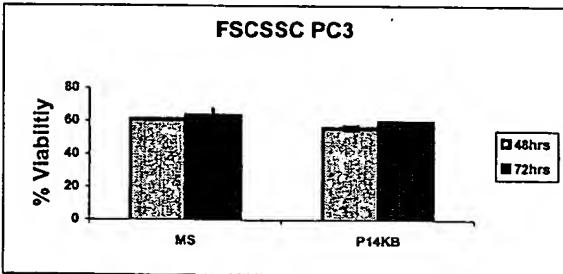


Figure 27 cont'd

(e) Apoptosis is not induced in the OVCAR3 Cancer Cell Line as detected by Sub G1 Analysis.

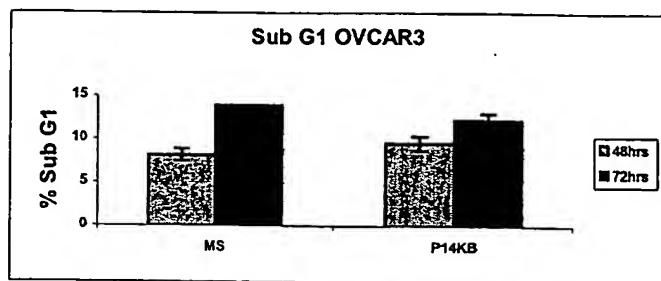
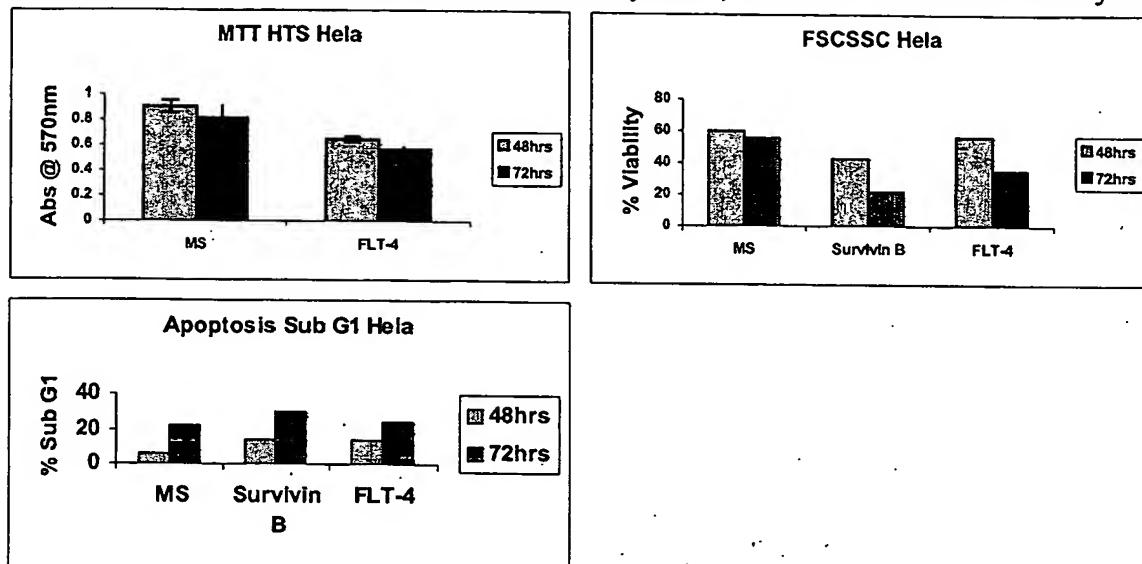


Figure 28 Apoptosis modulation by siRNA Knockdown of FLT4

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in Cancer Cell Lines as detected by MTT HTS Analysis.

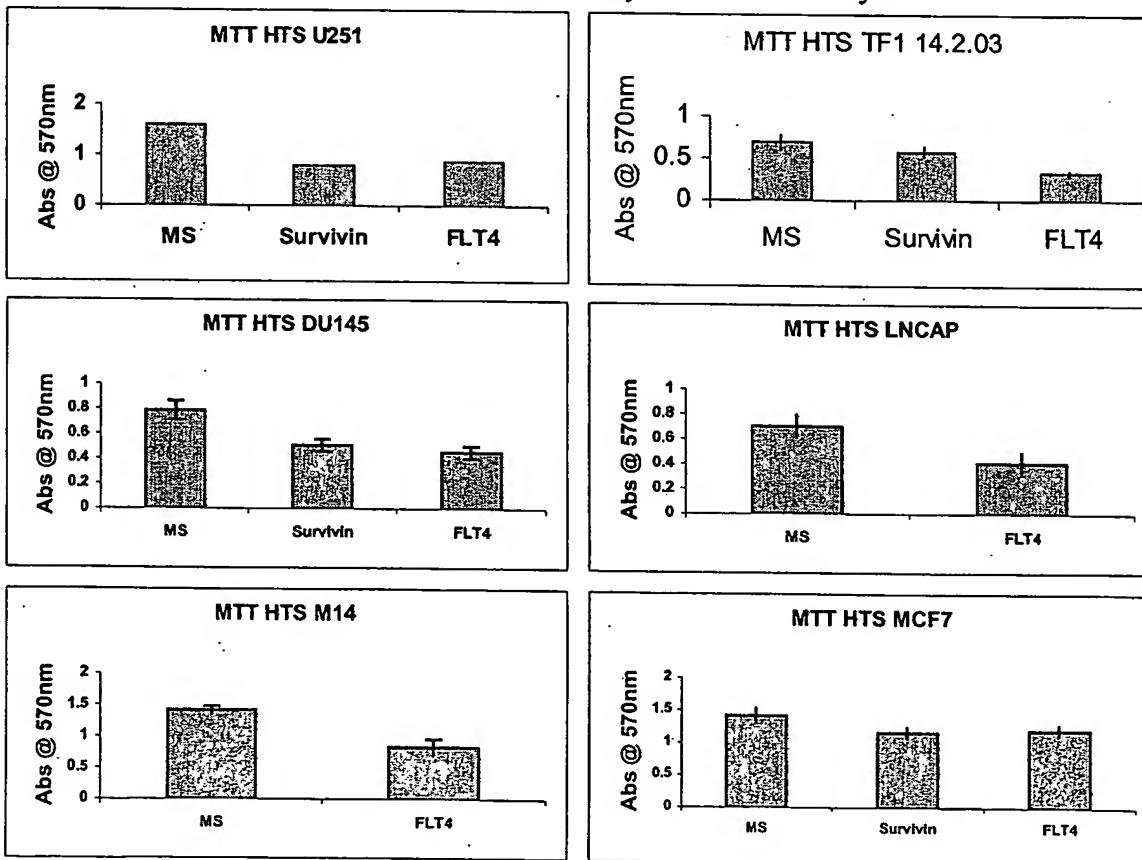
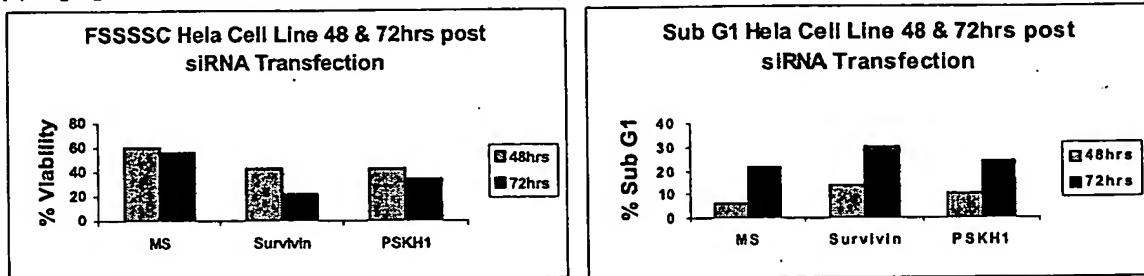


Figure 29 Apoptosis modulation by siRNA Knockdown of PSKH1

(a) Apoptosis in the Hela Cancer Cell Line as detected by FSC/SSC and Sub G1 Analysis



(b) Apoptosis in other Cell Lines as detected by MTT HTS Analysis.

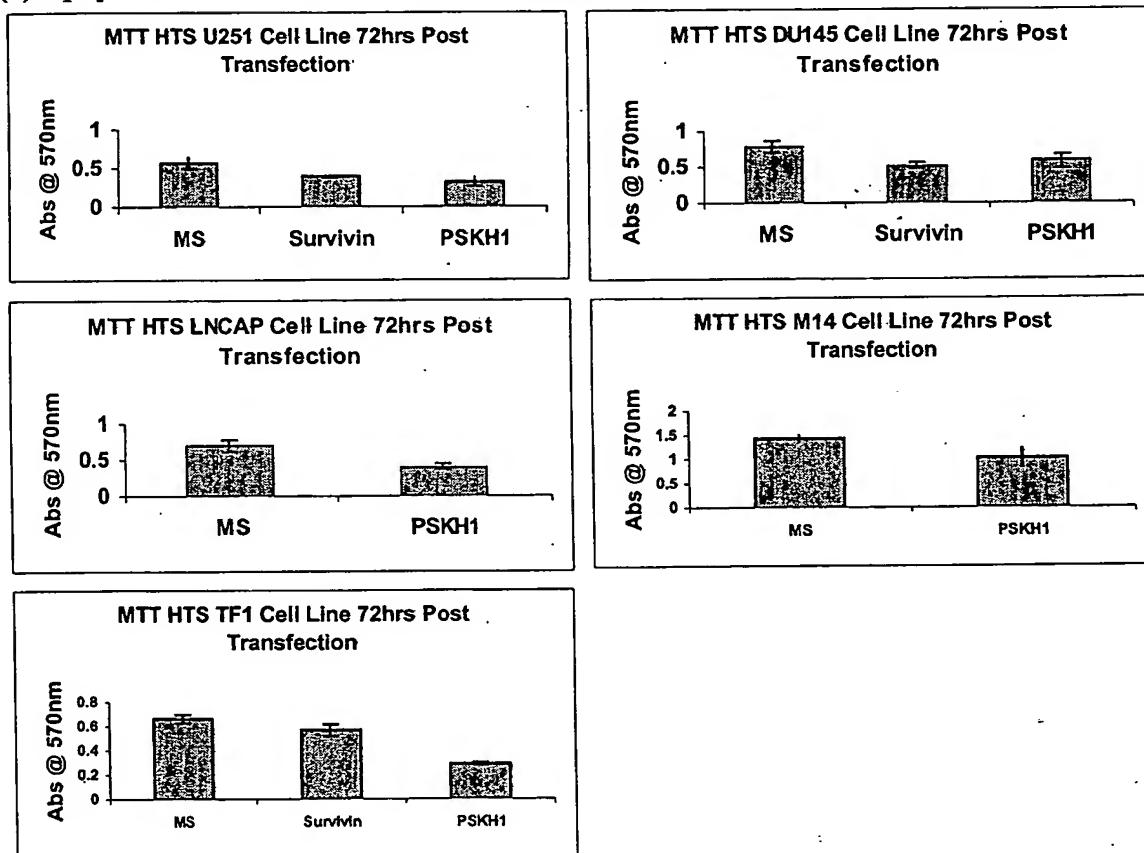


Figure 30 Apoptosis modulation by siRNA Knockdown of ITPKC

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.

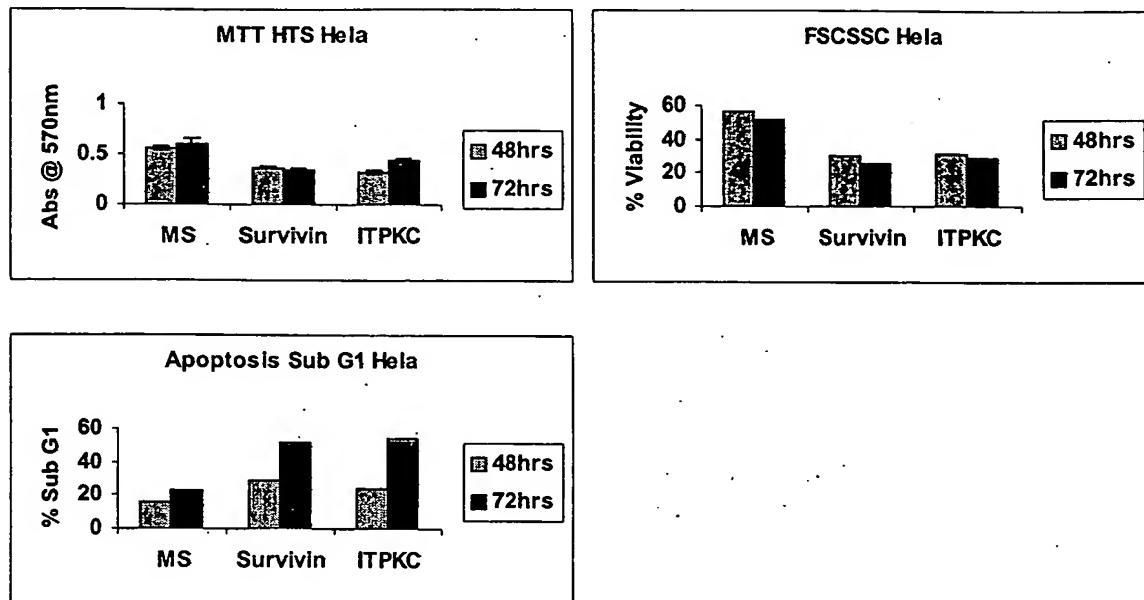
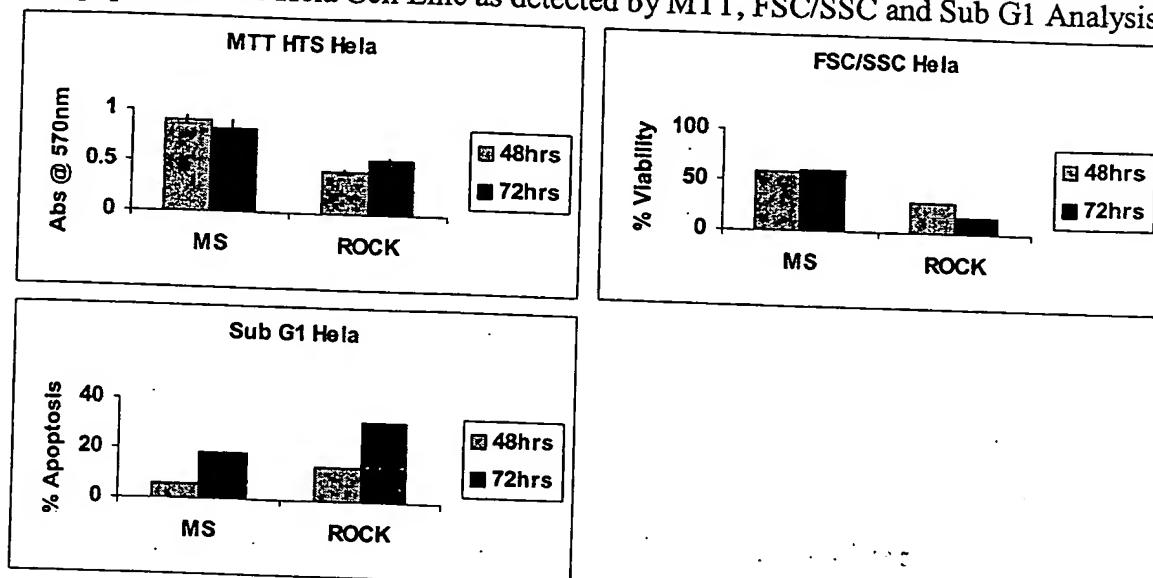
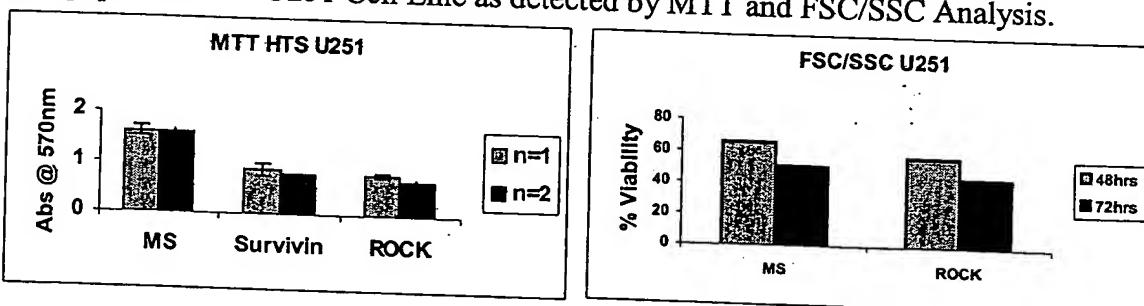


Figure 31 Apoptosis induced by siRNA Knockdown of ROCK

(a) Apoptosis in the Hela Cell Line as detected by MTT, FSC/SSC and Sub G1 Analysis.



(b) Apoptosis in the U251 Cell Line as detected by MTT and FSC/SSC Analysis.



(c) Apoptosis in the Cancer Cell Line as detected by MTT HTS Analysis.

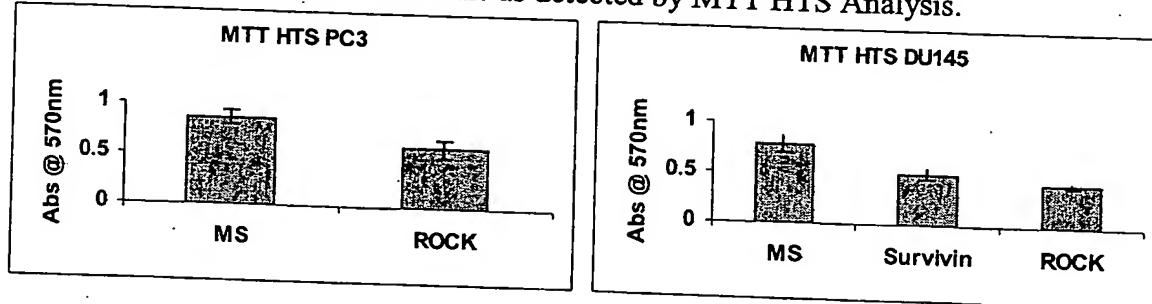
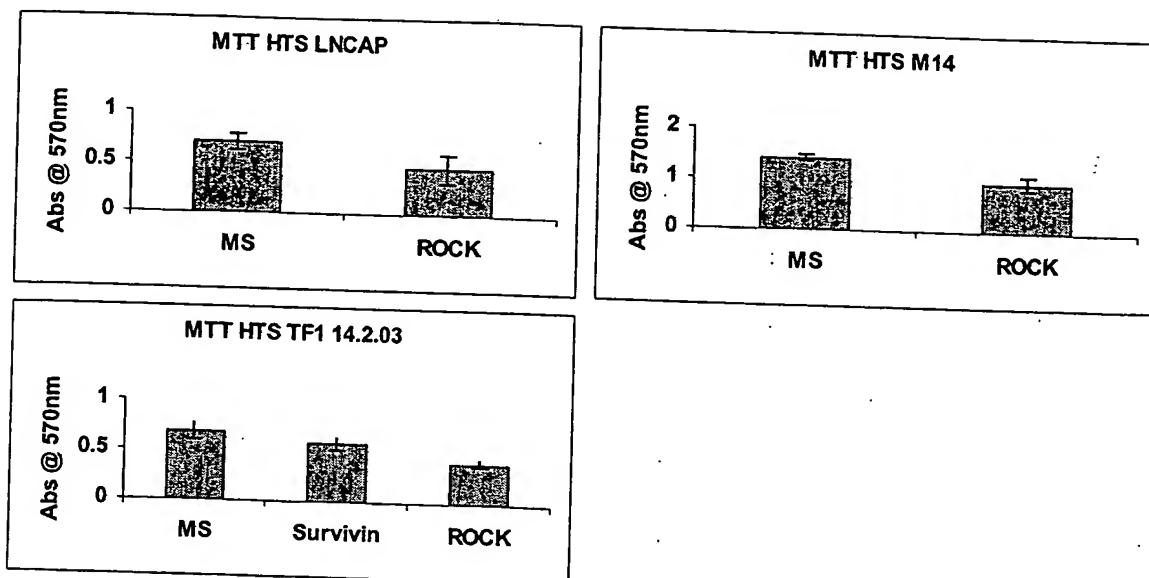
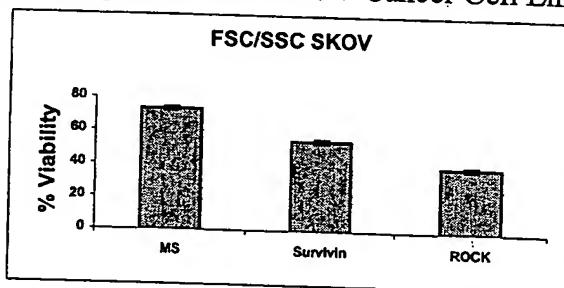


Figure 31 cont'd



(d) Apoptosis in the SKOV Cancer Cell Lines as detected by FSC/SSC Analysis



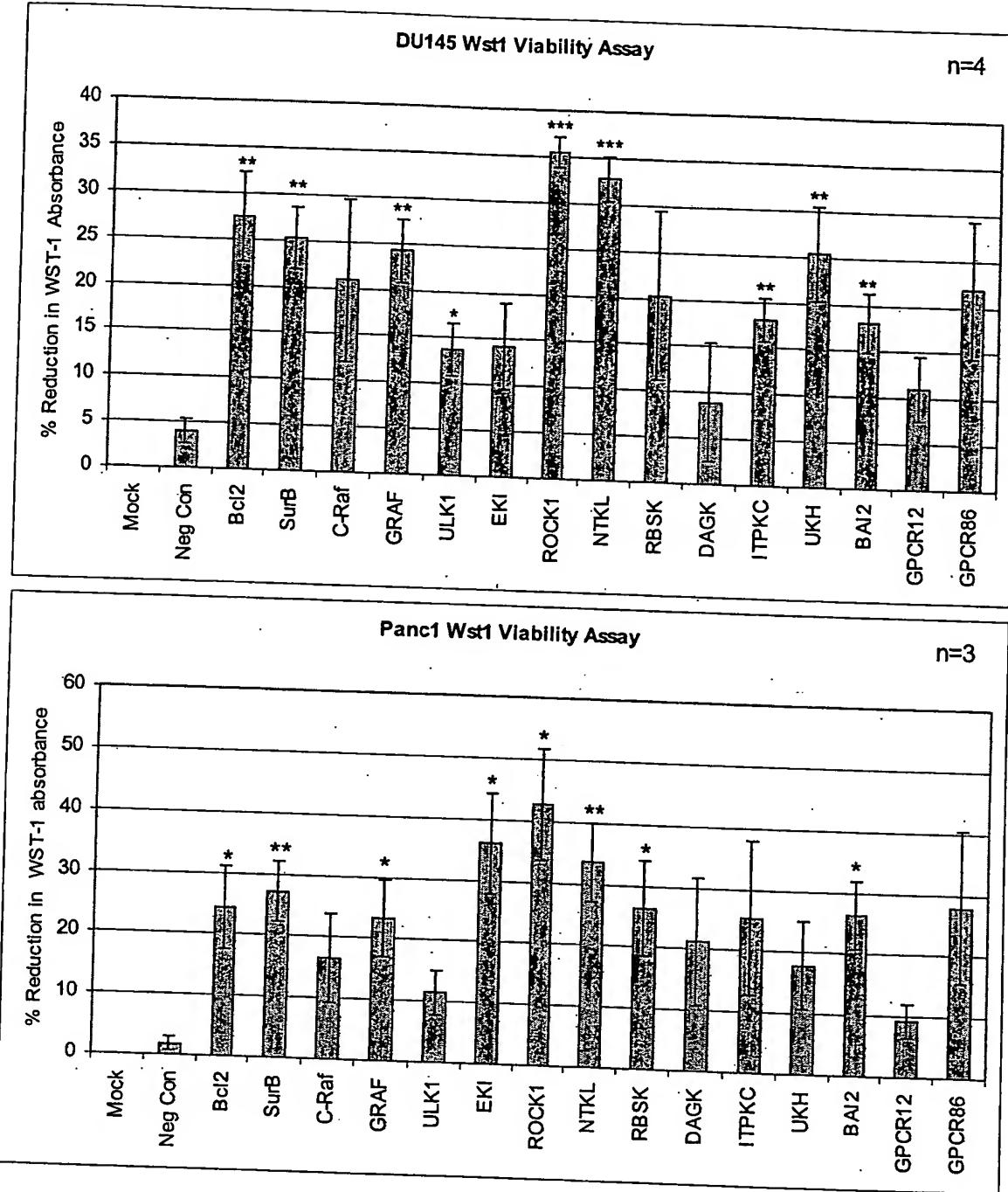


FIGURE 32

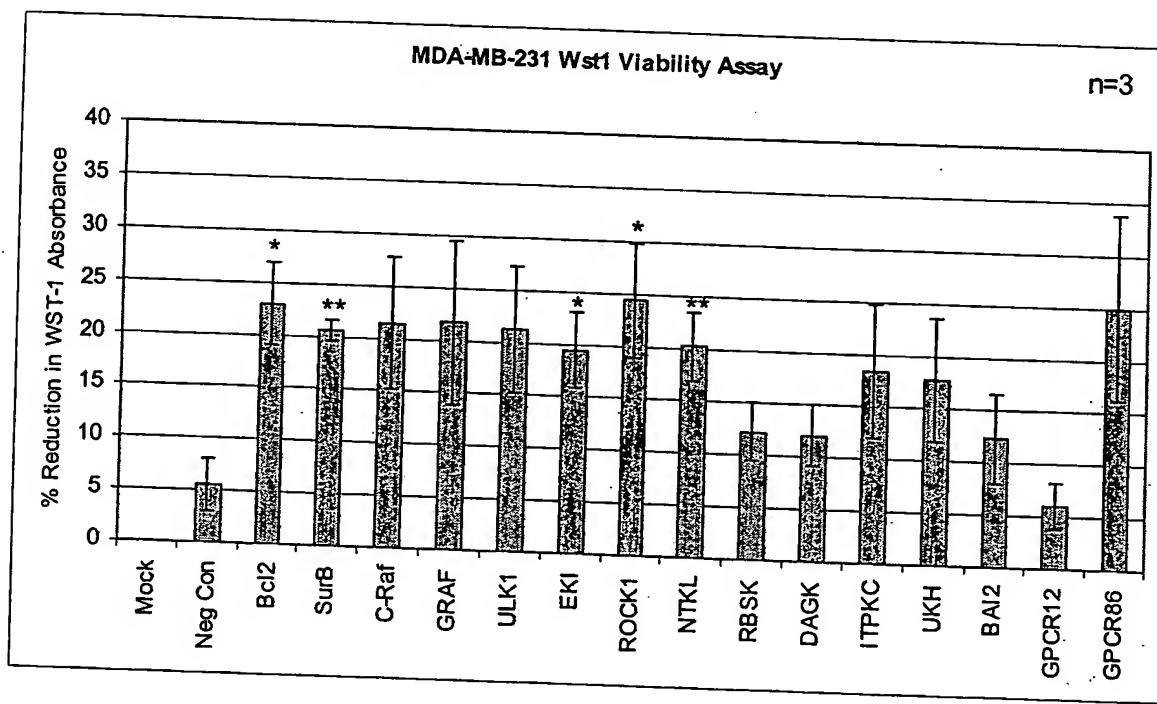
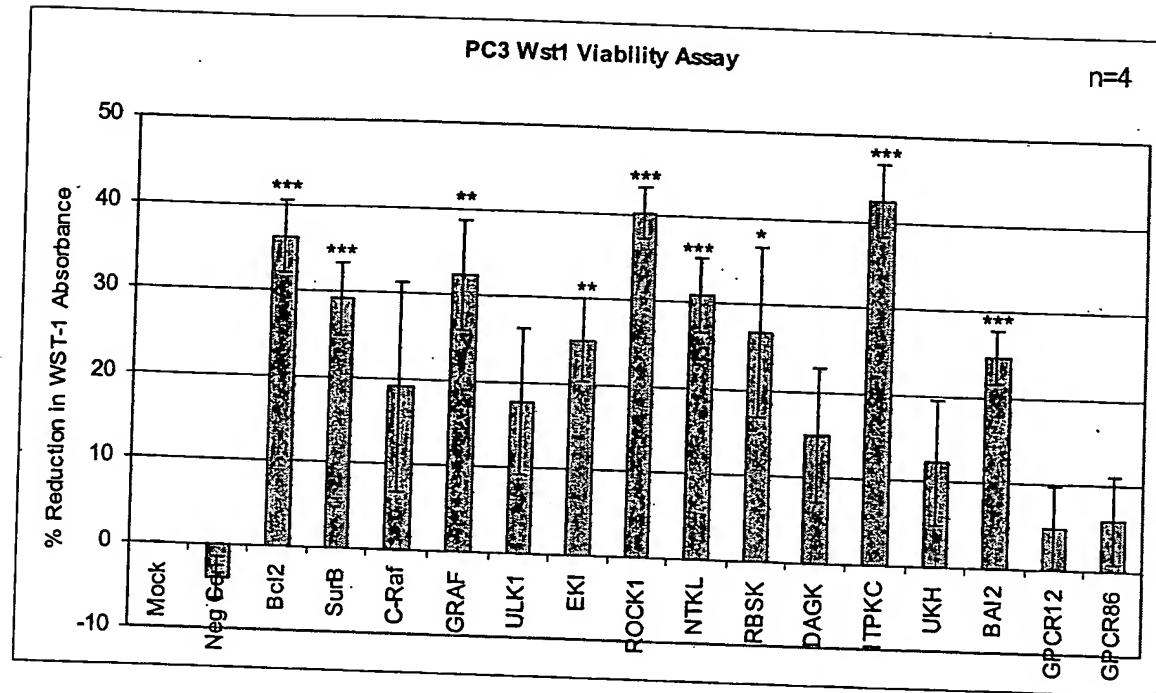


FIGURE 32 cont.

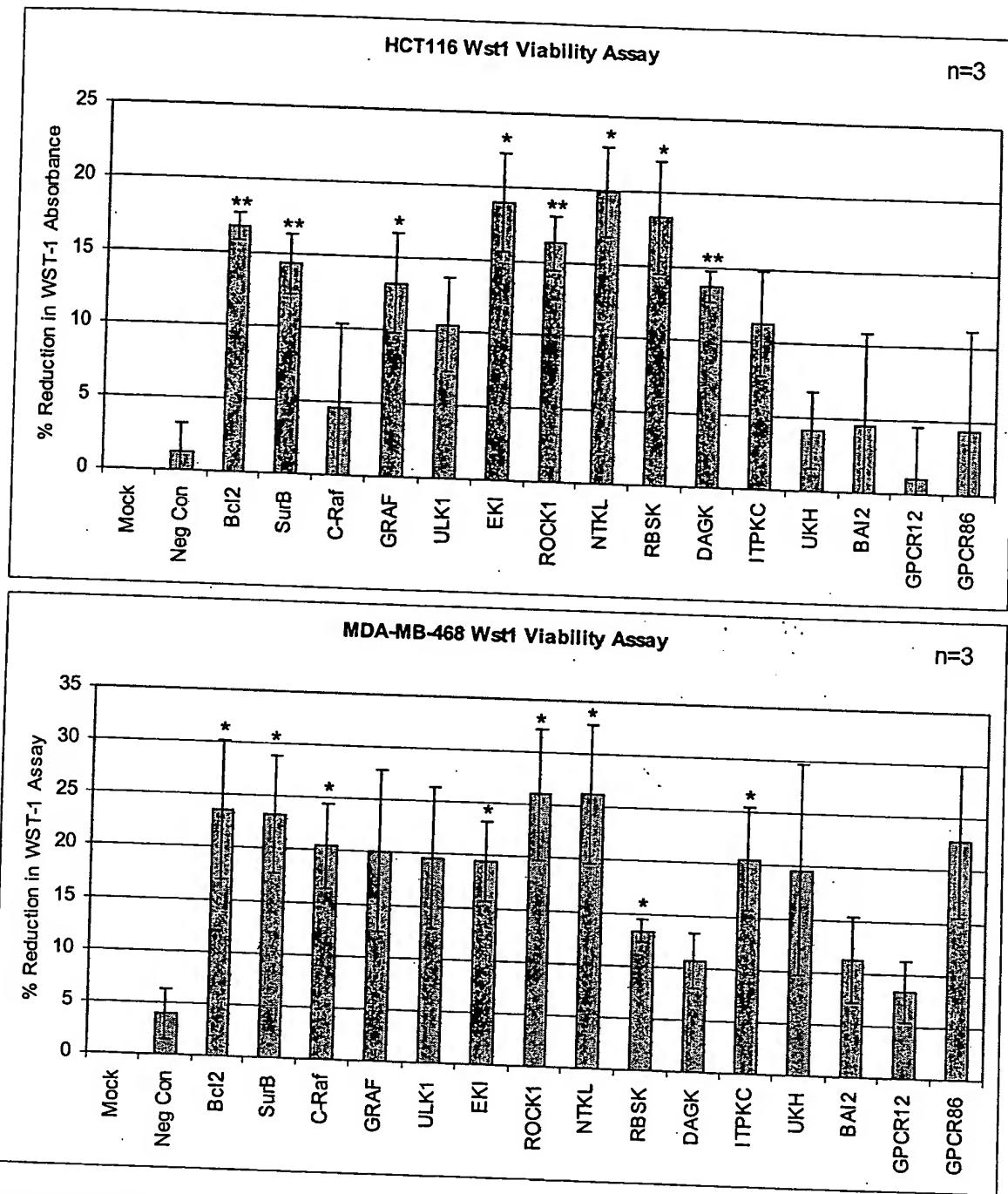


FIGURE 32 CONT

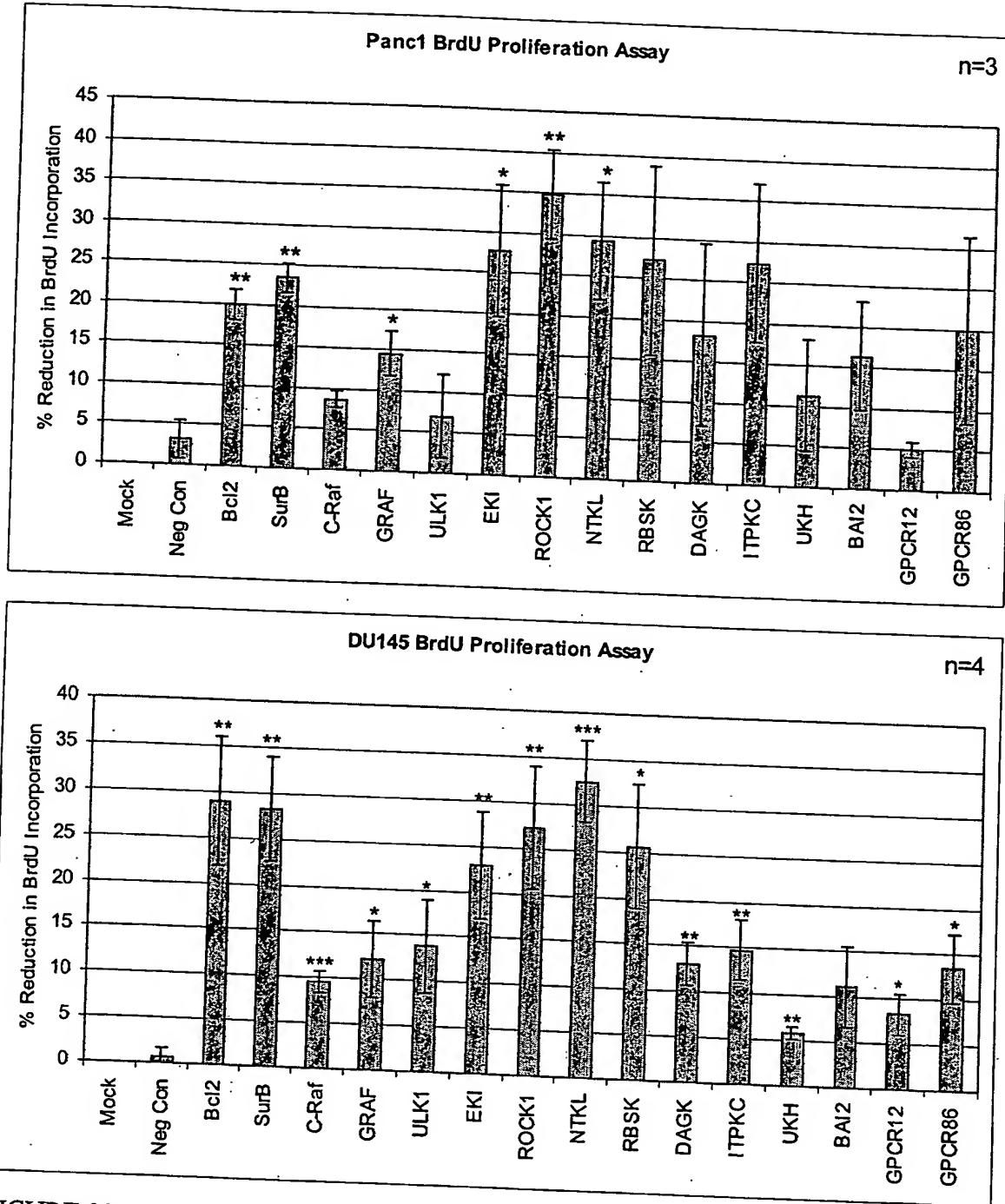


FIGURE 33

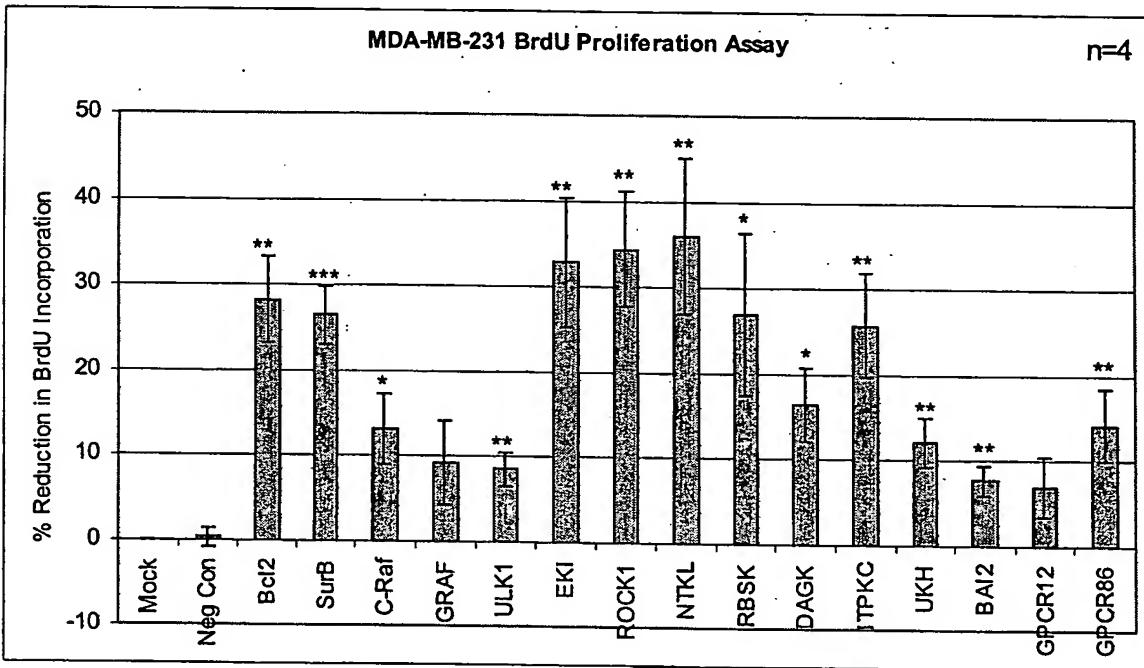
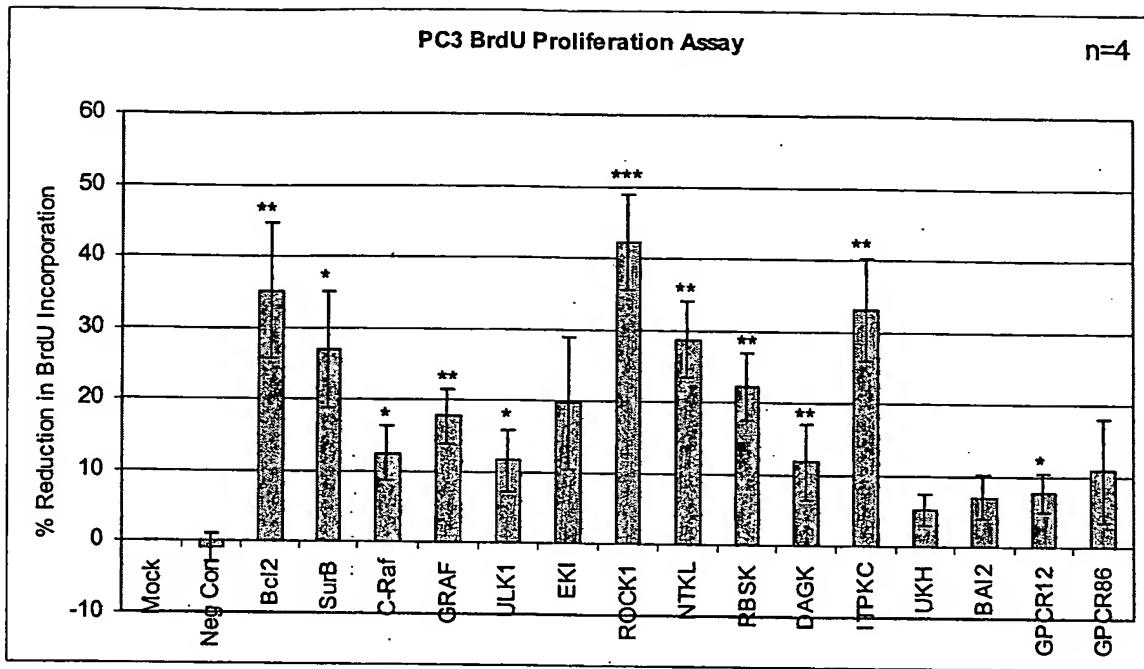


FIGURE 33 CONT

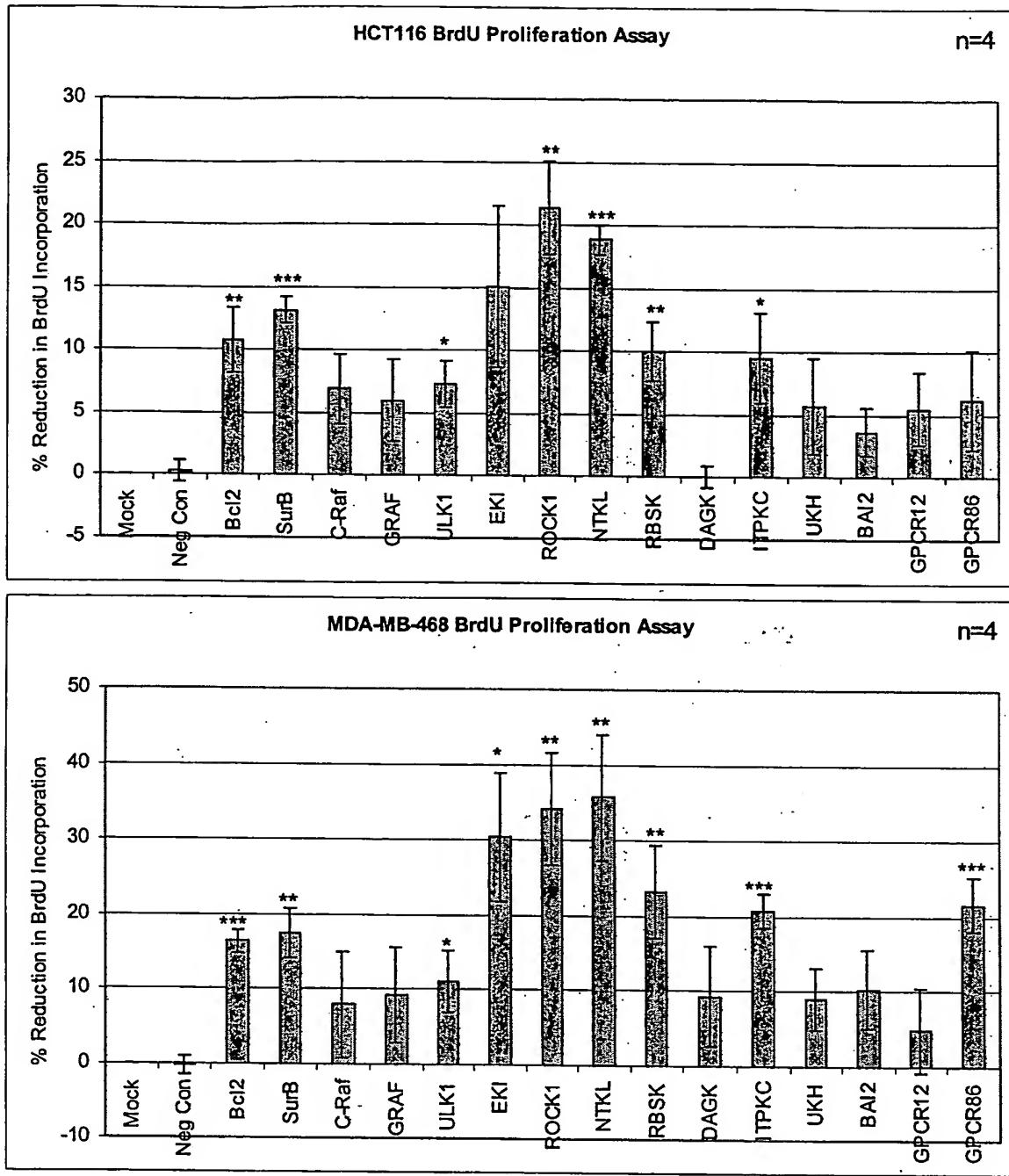


FIGURE 33 CONT

FIGURE 34

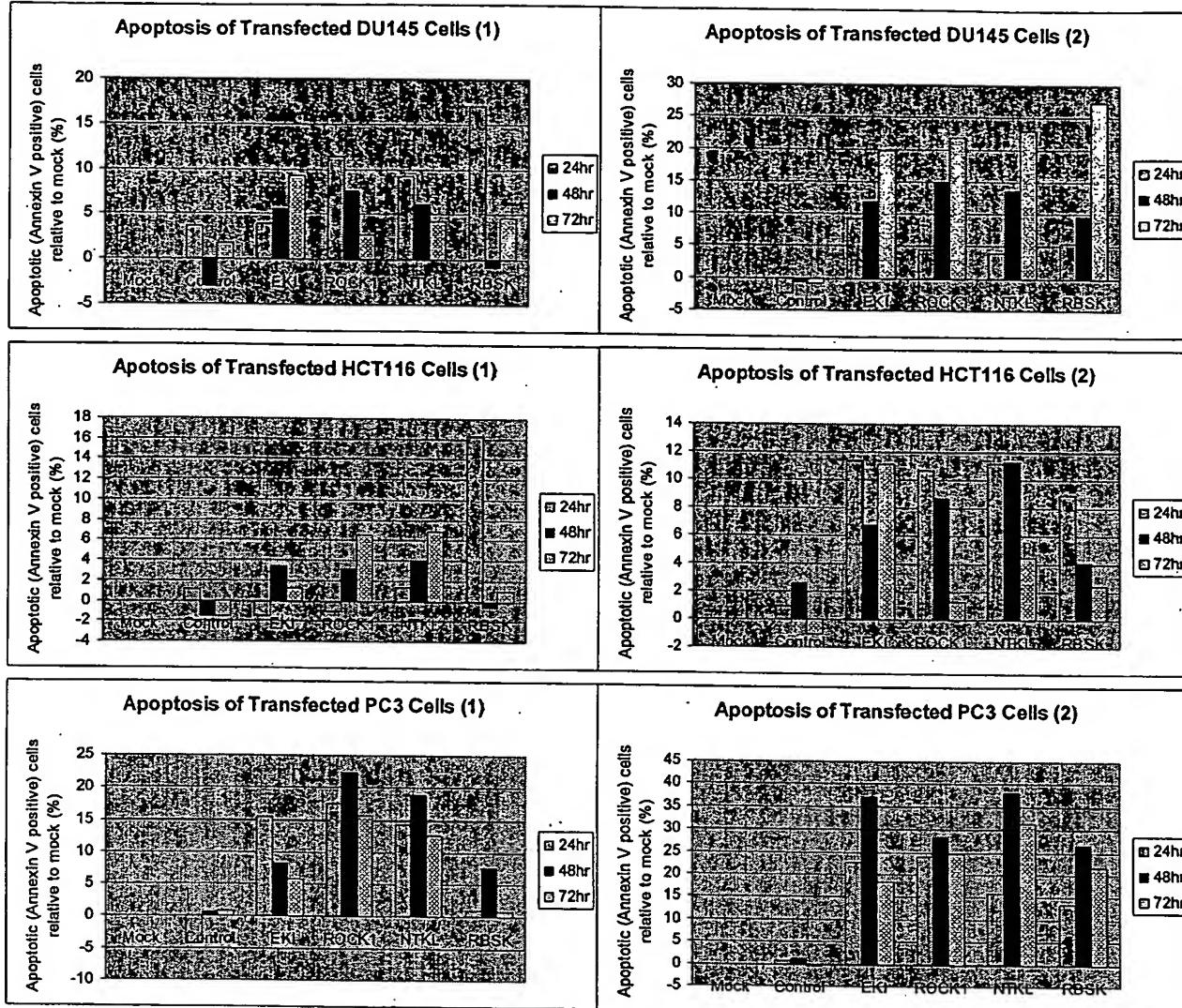
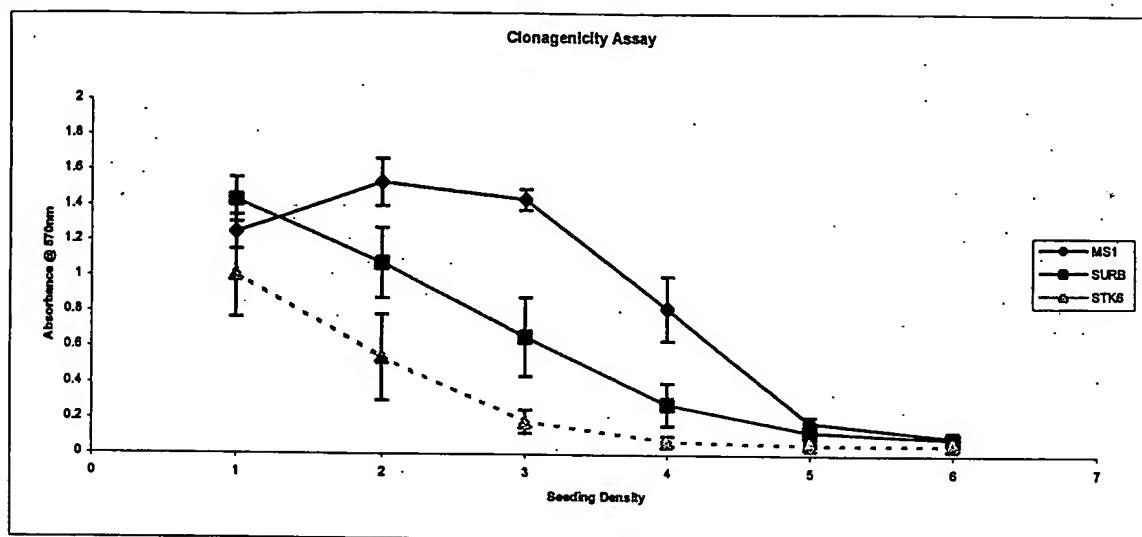


FIGURE 35

(a)



(b)

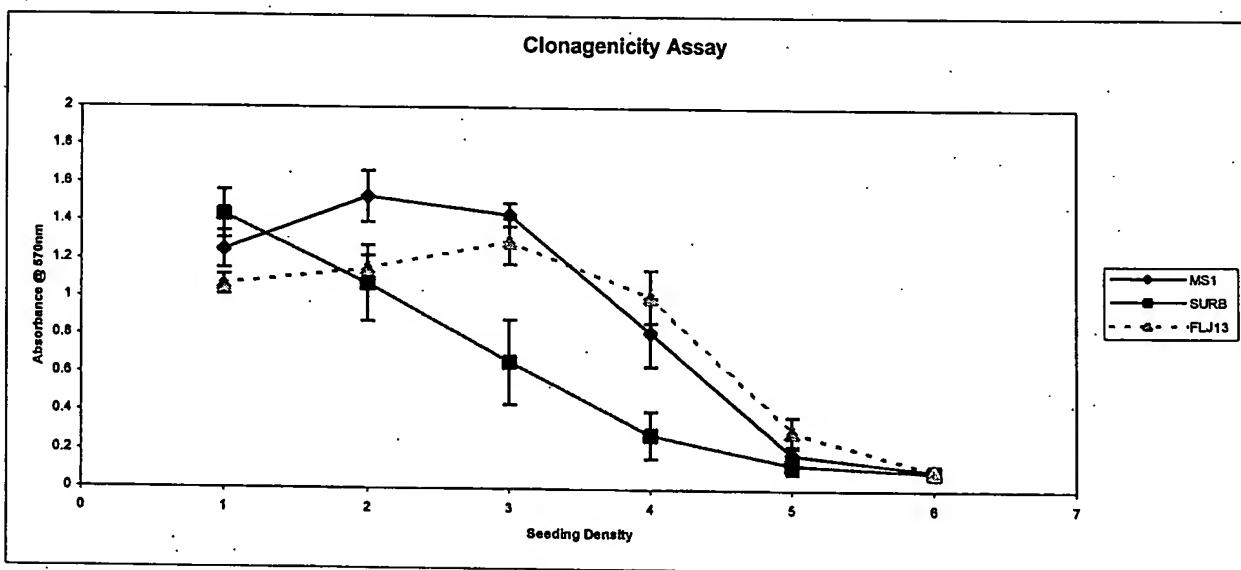


FIGURE 36

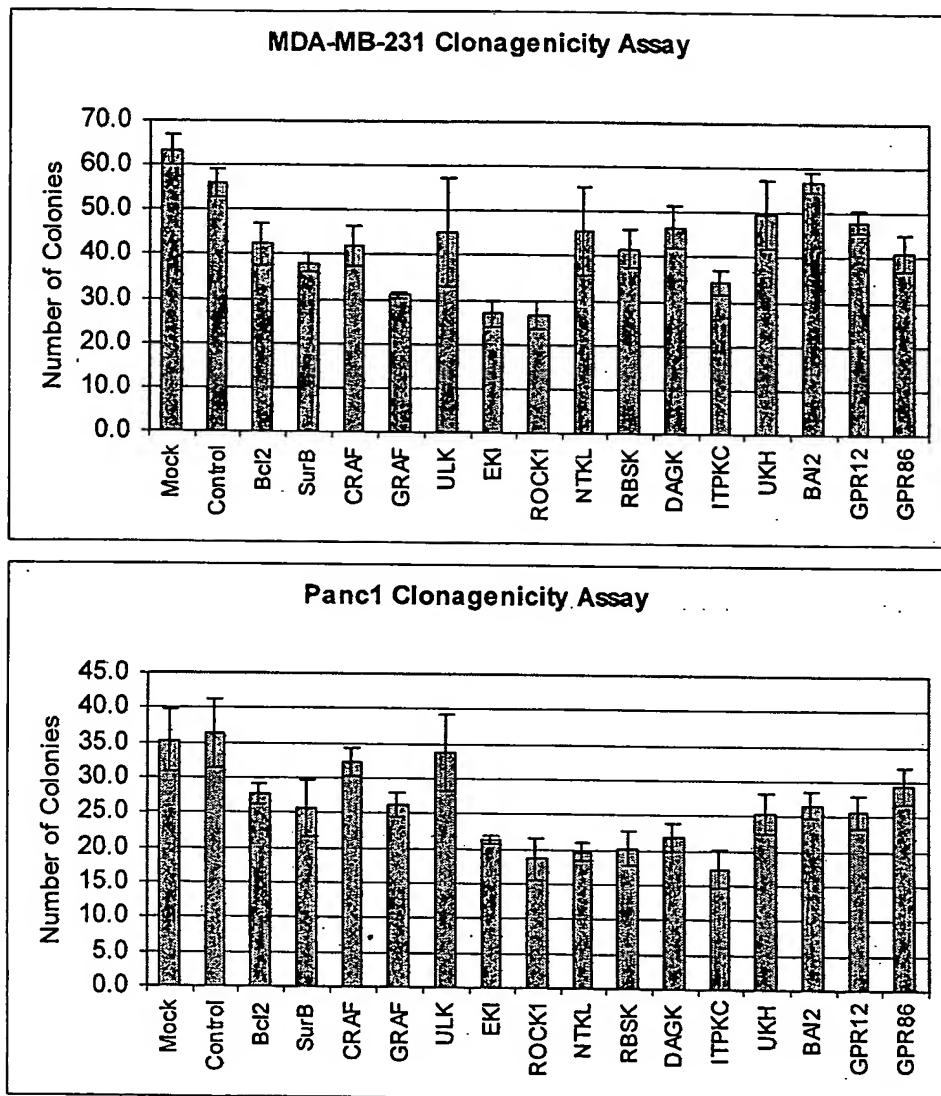


FIGURE 36 CONT.

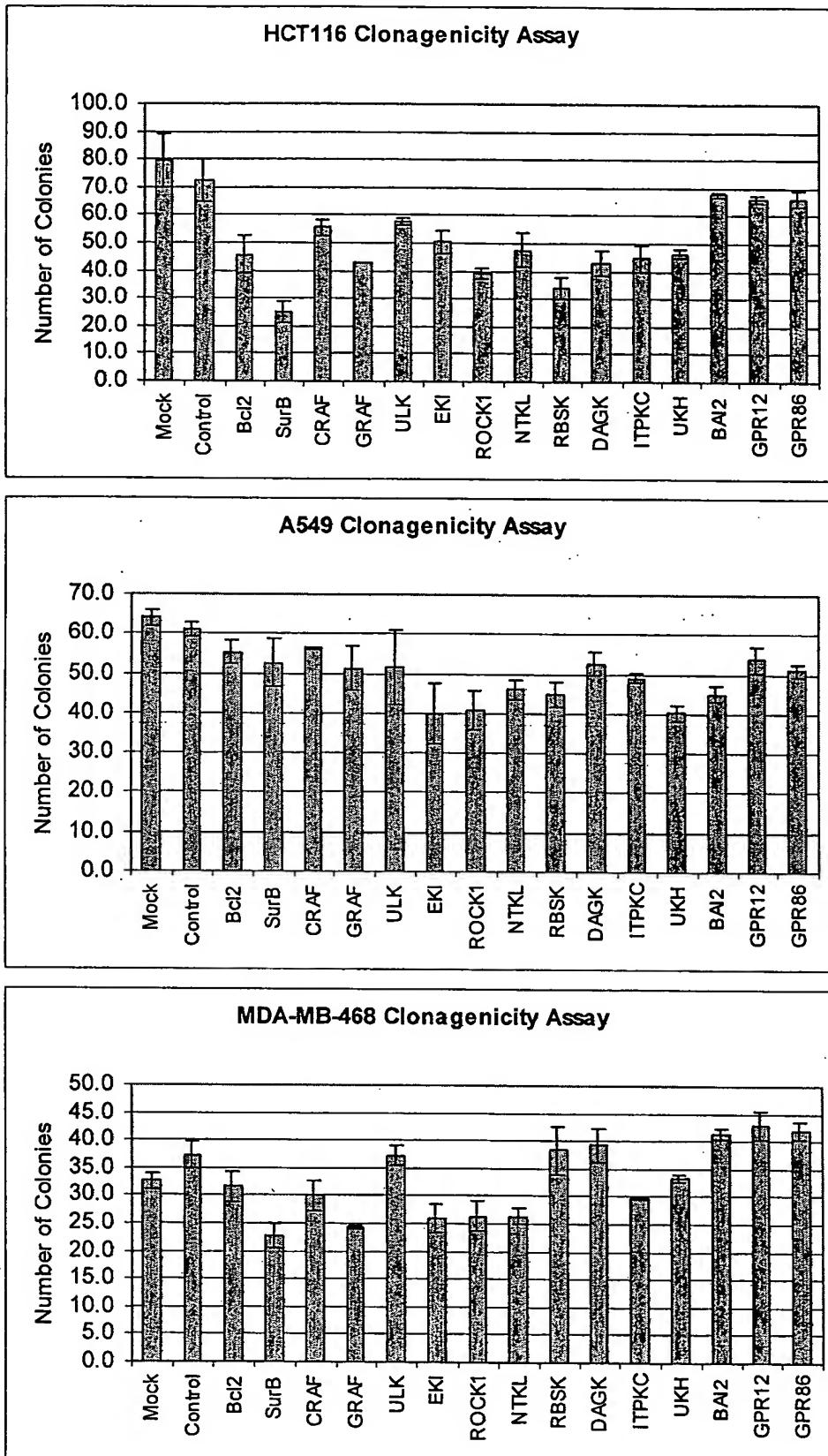
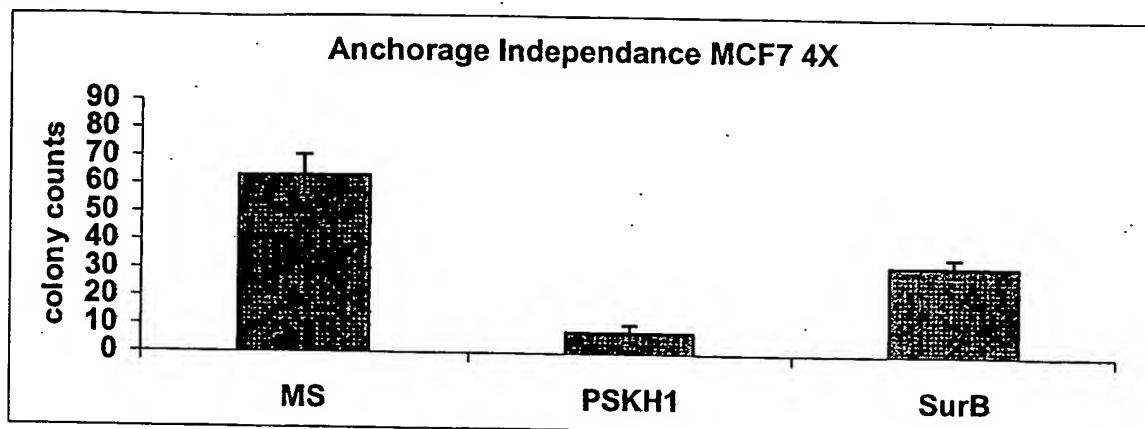
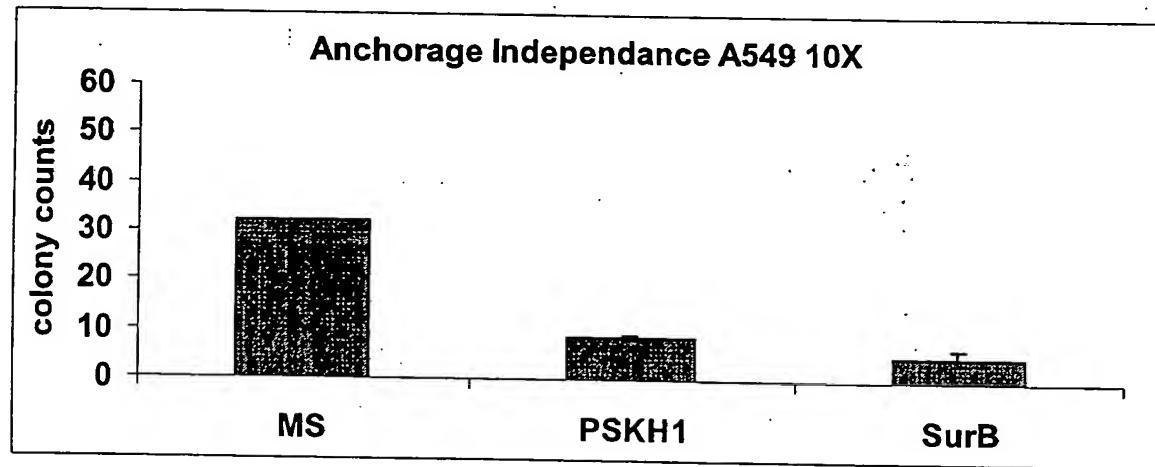


FIGURE 37

(a) MCF7



(b) A549



(c) HCT15 Cell Line

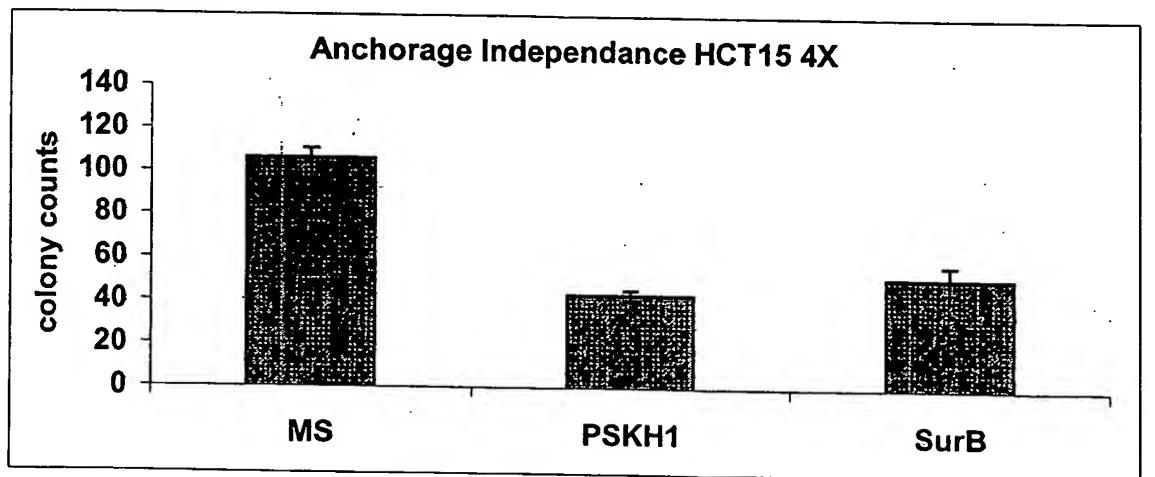
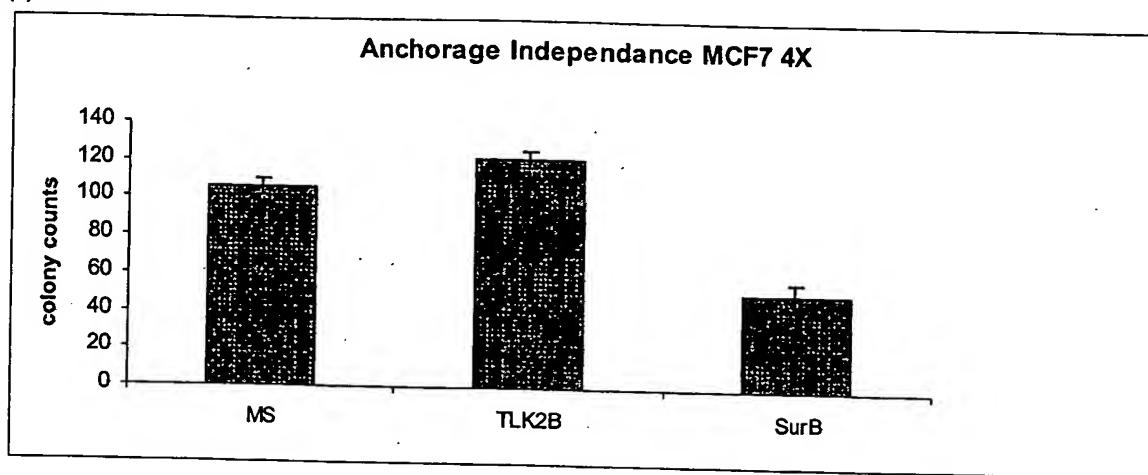
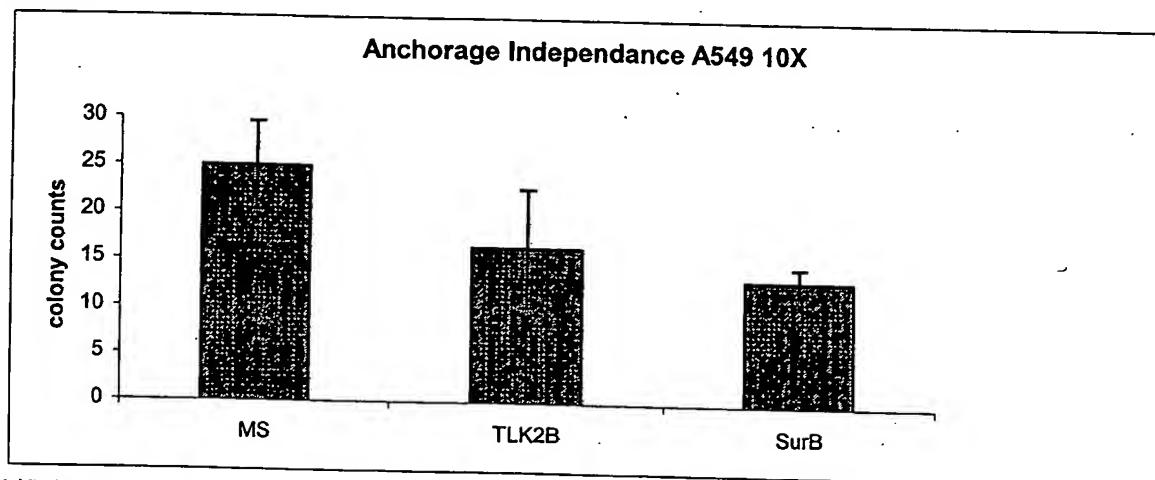


FIGURE 38

(a) MCF7



(b) A549



(c) HCT15

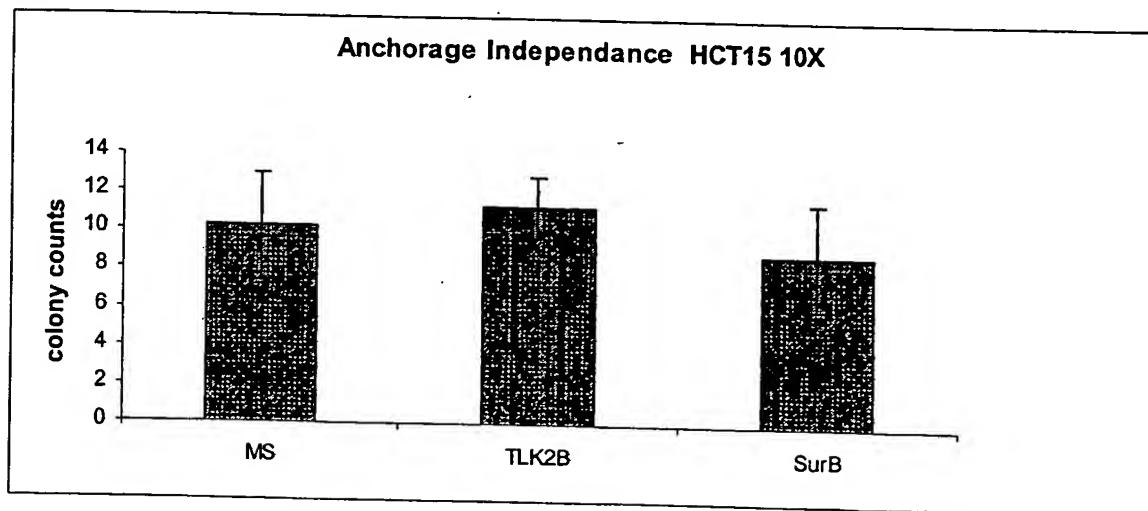
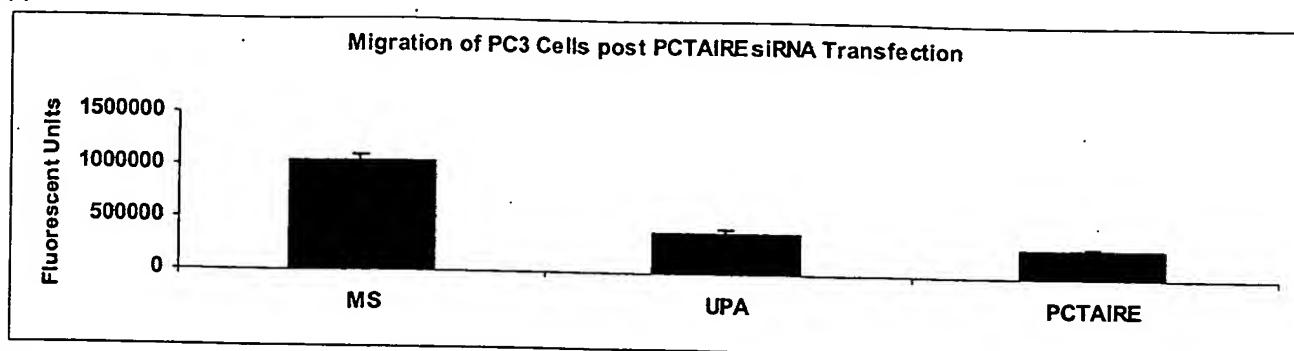
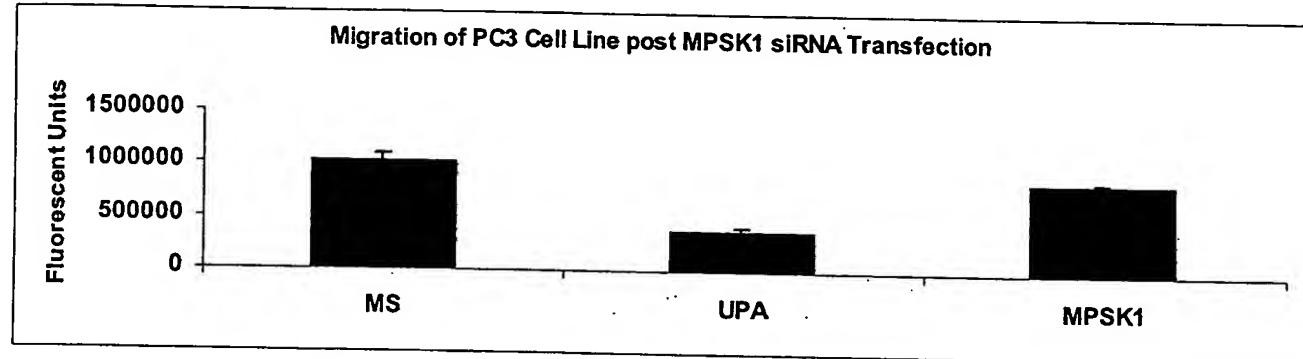


FIGURE 39

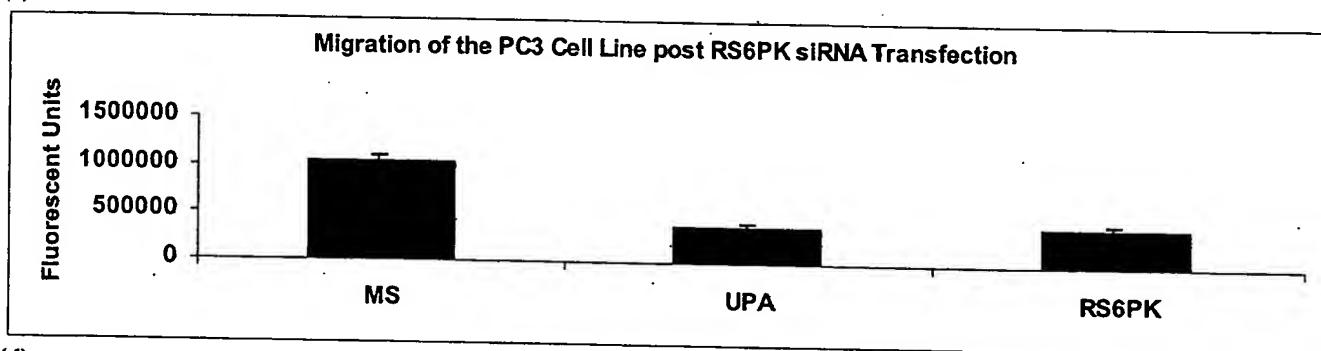
(a)



(b)



(c)



(d)

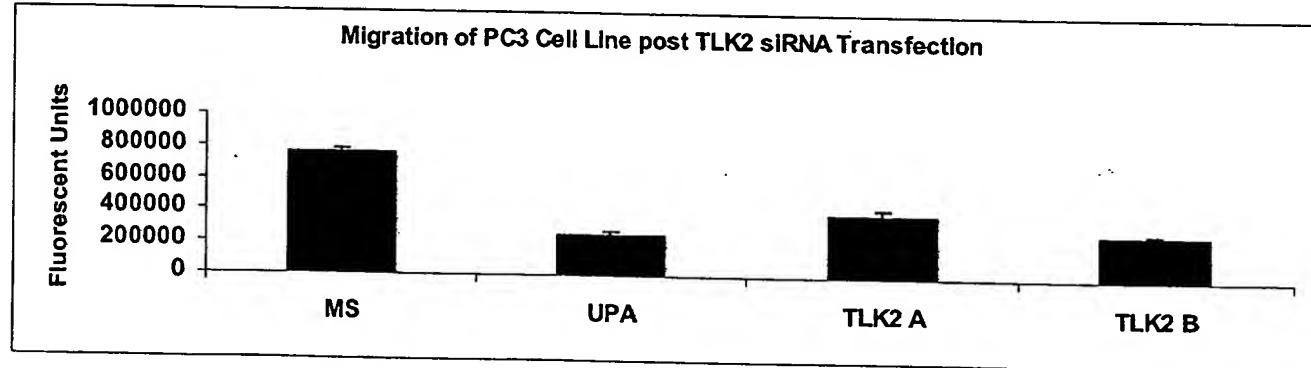
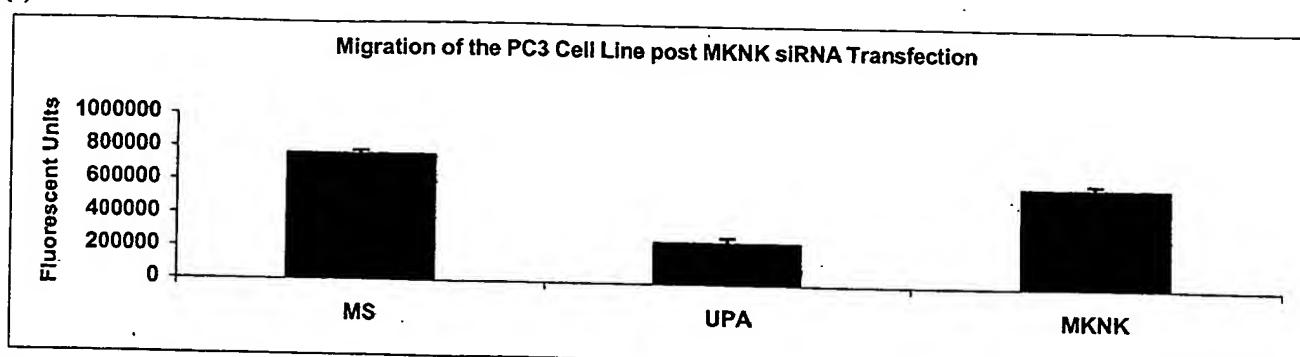
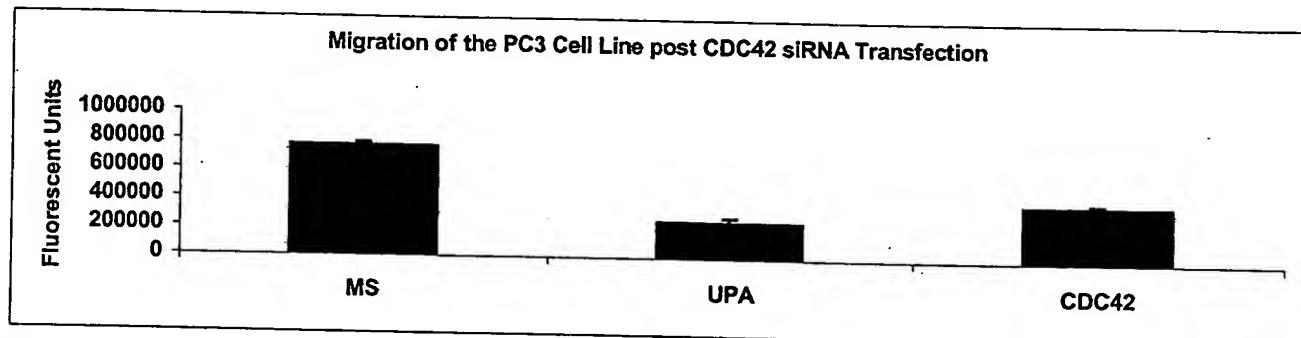


FIGURE 39 contd

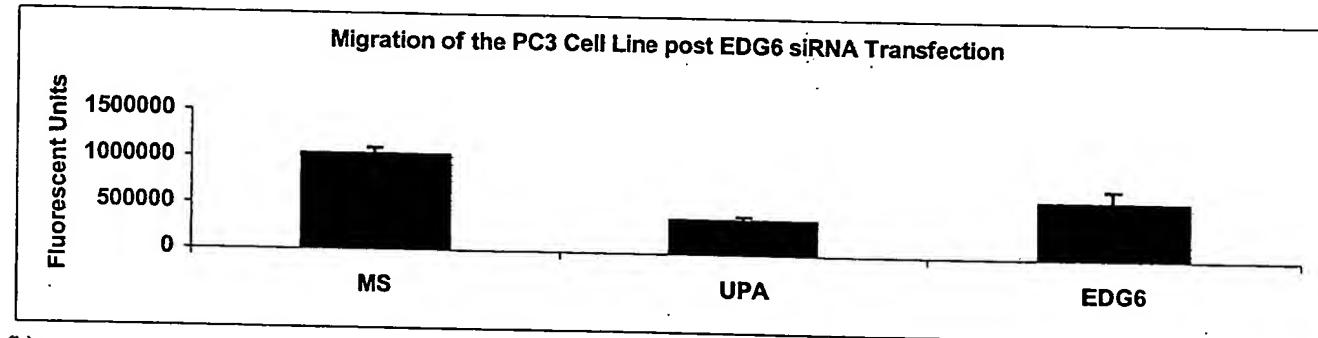
(e)



(f)



(g)



(h)

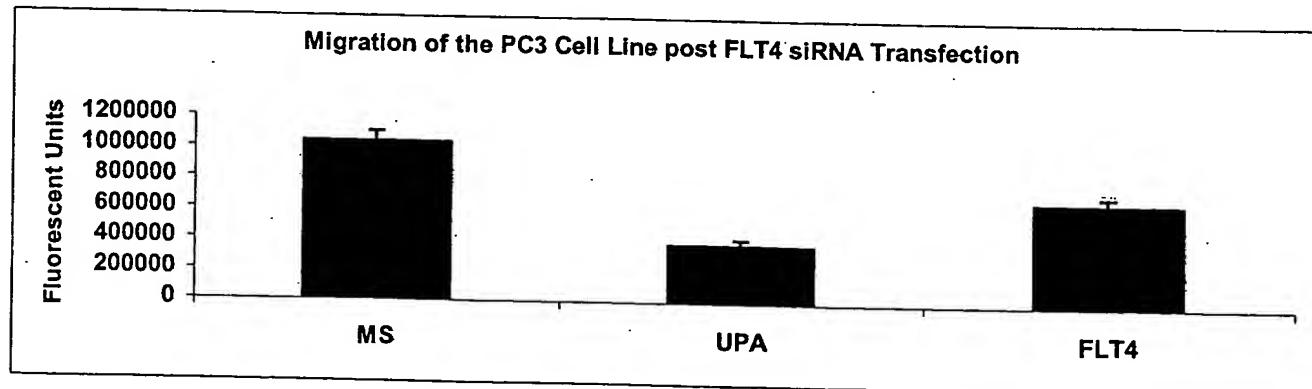
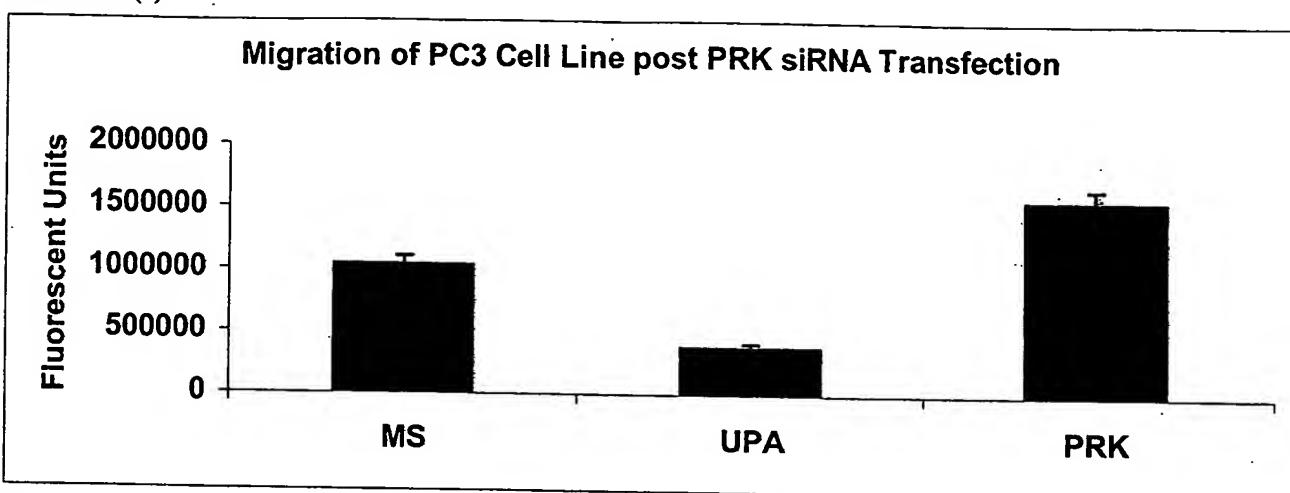


FIGURE 40 (a)



(b)

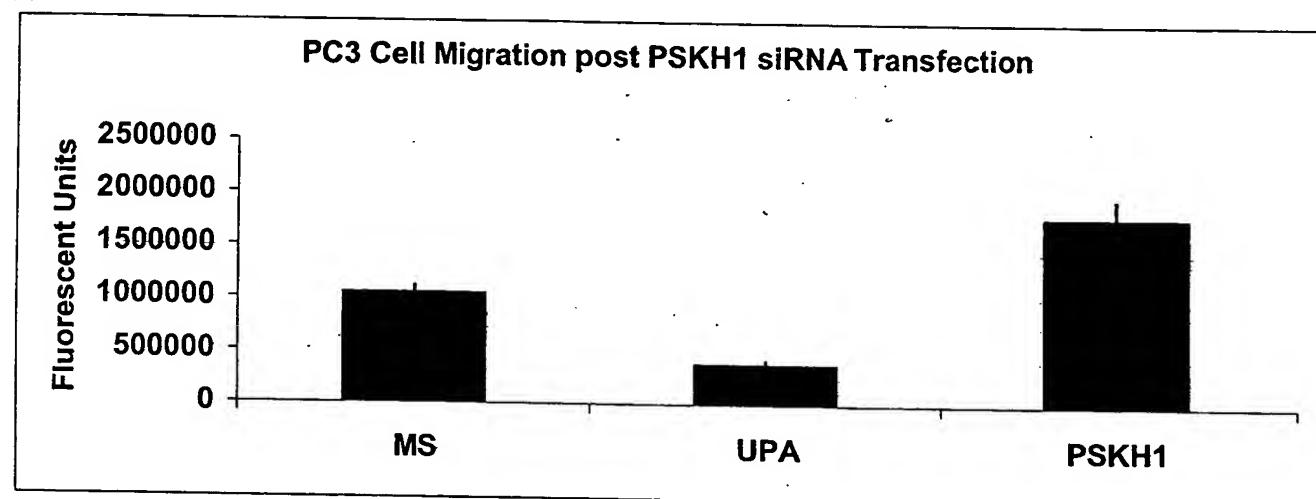
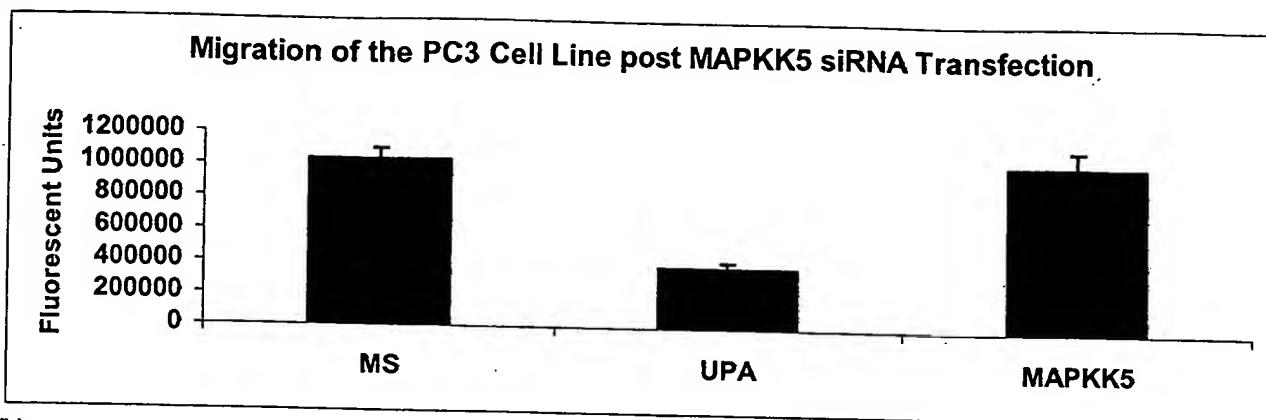


FIGURE 41

(a)



(b)

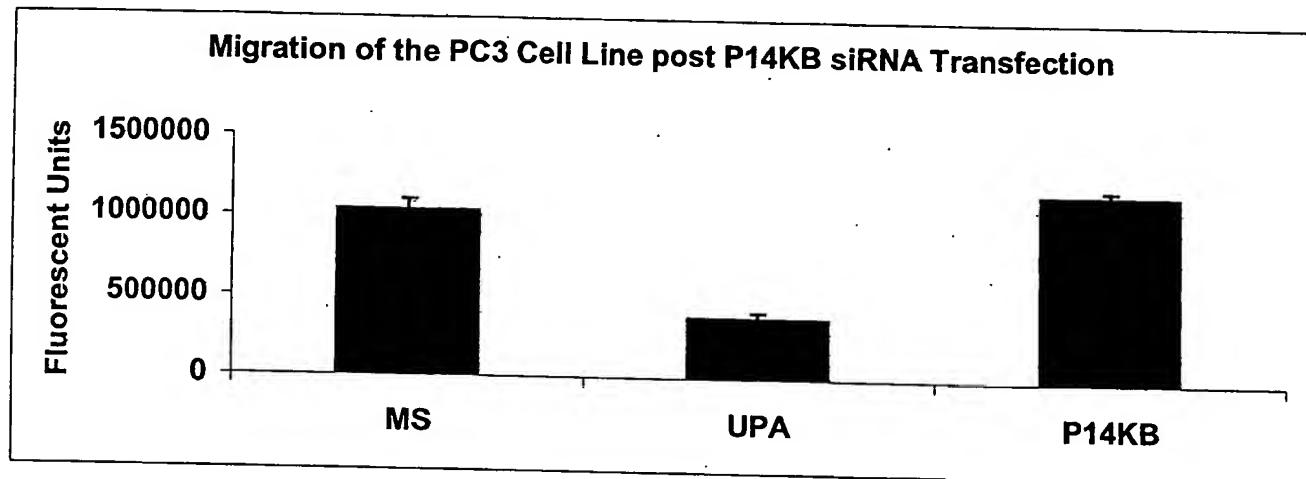


FIGURE 42

Nucleic Acid AND Protein Sequence for Targets in Table 1B

Rho – associated, coiled coil containing protein kinase 1 (ROCK1/ROCK)

Nucleotide Accession No. NM 005406

GI: 4885582

Sequence:

atgtcactg gggacagtt tgagactcgaa tttggaaaaa tggacaacct gctgcgggat
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121 ttggattttc tcgcctaagg aaaaaacaaa aatattgaca acttttaag cagatataaa
181 gacacaataaa ataaaatcgaa agatttcgaa atgaaagctg aagatttgaa agtagtgaag
241 gtgattggta gaggtgcatt tggagaagtt caattggtaa ggcataaattc caccaggaag
301 gtatatgcta tgaagcttct cagcaaattt gaaatgataa agagatctgaa ttctgcttt
361 ttctggaaag aaagggacat catggctttt gcacaacagtc ctgggttgt tcagctttt
421 tatgcattcc aagatgatcg ttatctctac atggtgatgg aatacatgcc tggtgagat
481 ctgttaaact taatgagcaa ctatgtgtg cctgaaaaat gggcacgatt ctatactgca
541 gaagtagttc ttgcattgga tgcaatccat tccatgggtt ttattcacag agatgtgaag
601 cctgataaca tgctgctgga taaatctgga catttgaagt tagcagattt tggtaactgt
661 atgaagatga ataaggaaagg catggtaacgaa tggatacag cggttggaaac acctgattt
721 atttccccctg aagtattaaa atcccaaggt ggtgatggttt attatggaaag agaatgtgac
781 tggtggtcg ttgggtatt ttatcacgaa atgcctttagt gtgatacacc tttttatgca
841 gattcttgg ttggaaactt cagtaaaattt atgaaccata aaaattcact taccttcc
901 gatgataatg acatatcaaa agaagcaaaa aacccattt gtgcctccct tactgacagg
961 gaagtggatg tagggcgaaa tggtgtagaa gaaatcaaac gacatcttctt ctcaaaaaat
1021 gaccagtggg ctggaaac gctccgagac actgttagcac cagttgtacc cgatttaagt
1081 agtggacattt atactgatgaa ttgtgatgac ttggaaagaaatgataaaggaga ggaagaaaca
1141 ttcccttattt ctaaagctt cgtggcaat caactaccctt ttgttaggatt tacatattt
1201 agcaatcgta gatacttattt tcagcaaat cctaattgata acagaacttag ctccaatgca
1261 gataaaagct tgcagggaaag ttgcaaaaaa acaatctata agctggaaaga acagctgcat
1321 aatgaaatgc agttaaaaga tggaaatggag cagaagtgcgaa acacccataaaacta
1381 gacaagataa tggaaagaaattt ggtgaaagag gggaaatcaaa gaagaaatctt agaatctaca
1441 gtgttcaga ttggaaagggaaatgttgcattt ctacacgata gaattatgaa gtacccaaaga
1501 aaagctgaaac agggaaaatgaa gaagagaaga aatgttagaaa atgaaatgttacattaaag
1561 gatcgttgg aagactttaaa gaaagtcgtt cagaattcac agctgctaa tgagaagctg
1621 tcccaacttac aaaagcagt agaagaagcc aatgacttac ttggacaga atcggacaca
1681 gctgttgcattt tgaggaaagggaaatgttgcattt ctacacgata gaattatgaa gtacccaaaga
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1861 tctgagatgaa ttggagacactt tcaagctgca attacatctt tacaagggaaatgaa ggttgcattt
1921 ctcaaaacata atctcgaaaatgaa gggaaatggaaatgaa acacccataaaacta

1981 cactcagaaa aggaaaagaa taattagat atagattta actacaact taaatcatta
2041 caacaacggt tagacaaga ggtaaatgaa cacaaggtaa ccaaagctcg tttaactgac
2101 aaacatcaat ctattgaaga ggcaaagtct gtggcaatgt gtgagatgga aaaaaagctg
2161 aaagaagaaa gagaagctcg agagaaggct gaaaatcgccc ttgttcagat tgagaaaacag
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3241 gccagccaaag agagtgtat tgagcaattt cgtgctaaac tttggaccc tctggattct
3301 acaagtgttg ctgtttcc tagtgcgtat gaaactgtat gtaacccccc agagtcaaga
3361 attgaagggtt ggcttccatg accaaataga gggaaatatca aacgatgtt ccggaaagaaa
3421 cagtatgtt tggtaagcag caaaaaattt ttgttctata atgacgaaaca agataaggag
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3541 caaggagatg tgtatagagc tgaaactgaa gaaattccaa aaatattcca gatacttat
3601 gcaaattgaaat gtgaatgtt aaaaaggatgtt gagatggaaac cagtacaaca agctggaaaa
3661 actaatttcc aaaatcacaat aggccatgag ttattccaa cactctacca cttccctgc
3721 aattgtgtat cctgtgccaa acctctctgg catgttttta agccaccccc tggcccttagag
3781 tggcaagat gcccattaa gtgccacaga gatcacttag ataagaaaaga ggacttaatt
3841 tggccatgtt aagtaagttt tgatgttaca tcagcaagag atatgtctgtt gtttagcatgt
3901 ttcaggatg aacaaaaaaa atgggttact catttagtaa agaaaatccc taagaatcca
3961 ccatctggtt ttgttcgtgc ttccctcgaa acgtttctca caagatccac tgcaaatcag
4021 tcttccggaa aagtggtcaa aaatcatct ggaaaaacta gttaa

Protein I.D NP_005397.1

Protein GI: 4885583

Sequence

MSTGDSFETRFEKMDNLLRDPKSEVNSDCLLGGLDALVYDLDFF
ALRKKNKNIDNFLSRYKDTINKIRDLRMKAEDYEVVVKVIGRGAFGEVQLVRHKSTRKVY
AMKLLSKFEMIKRSDSAFFWEERDIMAFANSPPWVQLFYAFQDDRYLYMVMEMYMPGGD
LVNLMSNYDVPEKWARFYTAEVVLALDAIHSMGFIHRDVKPDMNLLDKSGHLKLADFG
TCMKMNKEGMVRCDTAVGTPDYISPEVLKSQGGDGYYGRECDWWSVGFLYEMLVGDT
PFYADSLVGTYSKIMNHKNSLTFPDDNDISKEAKNLCIAFLTDREVRGLRNGVEEIKR
HLFFKNDQWAETLRDTVAPVVPDLSSIDTSNFDDLEEDKGEETFPPIPKAvgNQL
PVFGFTYYSNRRLSSANPNDNRTSSNADKSLQESLQKTIYKLEEQLHNEMQLKDEME
QKCRTSNIKLKDIMPKELDEEGNQRRNLESTVSQIEKEKMLLQHRINEYQRKAEQENEK
RRNVNEVSTLKDQLEDLKKVSQNSQLANEKLSQLQKLEEANDLLRTESDTAVRLRK
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GDLQARITSLOEEVKHLKHNLKVEGERKEAQDMLNHSEKEKNNLIEDLNYKLKSLQQ
RLEQEVEHVKVTKARLTDKHQSIIEAKSVAMCEMEKKLKEEREAREKAENRVVQIEKQ
CSMLDVDLKQSQQKLEHLTGNKERMEDEVKNLTLQLEQESNKRLLLQNELKTQAFead
NLKGLEKQMKQEINTLLEAKRLLEFELAQLTKQYRGNEGQMRELQDQLEAEQYFSTLY
KTQVKEKEEIEEKRENLKKIQLQNEKETLATQLDLAETKAESQLARGLLEEQYF
ELTQESKKAASRNRQEITDKDHTVSRLEEANSMLTKDIEILRRENEELTEKMKAEEE
YKLEKEEEISNLKAafeKNINTERTLKTQAVNKLAEIMNRKDFKIDRKKANTQDLRKK
EKENRKLQLELNQEREKFNFQMVVKHQKELNDMQAQLVEECAHRNELQMQLASKESDIE
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ECRKDVEMEPVQQAEKTNFQNHKGHEFIPTLYHFPANCACAKPLWHVFKPPPALECR
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MAK (Male germ cell-associated kinase; MAK)

Nucleotide Accession No: NM_005906

G.I.: 13699865

1 ataagaatgg aagtgttgtt tccttgcgg attccttcatt gctatatctc atgaacctct
61 gtaatcttgg gggagagact atatataatg atgacaaacc tgtcaccagt gtagcaacaa
121 cagtgtgagg acaaaagcaa ataaaaatta agaagcgltc aaatttat tcaacaagga
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421 gaagttatca gagaaaatga ccattttat ttatatttg aatatatgaa agaaaacctc
481 tatcaattaa tgaaagacag aaacaagttt ttccctgaat cagtcattcag aaatattatg

541 tatcaaatat tgcaaggcgt ggctttatc cataaacatg gcttttca tagggacatg
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901 ggataccagc tggcatcctc tatgaacttc cgtttcccc agtgtgttcc tataaactta
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1561 ggctccaacc actcgacagg ggaaaacaag agcttacctg ctgttacttc cctaaaatct
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1741 cacacttggc gcaaccagtt attcccaag tcactggac ccgtggggc agaacttgct
1801 ttcaaaagga gcaatgcagg aaatcttggc agttatgcta cttacaatca gtcaggatata
1861 attcccttc ttctcaaaaa agaagtgcag tcagctggcc agaggatcca cttagcacct
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2041 ccctcagtgc atggaggac agactgggtg gccaagtatg gaggccaccc gttaggagtt
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2221 ggaagggcaa aaatcatccc ctatttact tatttccaag aaatgcattt tcttagcatc
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3721 tatatgtatt tggtagtgc ttatataatgt ctcaaagctg tgcaatctt tggtagtgc
3781 acactttaa actcttgcata ggcattttttt aaaaatatggc taa

Protein ID: NP_005897

Protein GI: 11496279

Sequence:

MNRYTTMRQLGDGTGGSVLMGKSNESGELVAIKRMKRKFYSWDE
CMNLREVVKSLKKLNHANVIKLKEVIRENDHLYFIFEMKENLYQLMKDRNKLFPESVI
RNIMYQILQGLAFIHKHGFFHRDMKPENLLCMGPELVKIADFGLARELRSQPPYTDYV
STRWYRAPEVLLRSSVYSSPIDVVAVGSIAMELYMLRPLFPGTSEVDEIFKICQVLGT

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WSNQLFPKSLGPVGAEALAFKRSNAGNLGSYATYNQSGYIPSFLKKEVQSAGQRIHLAP
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G Protein Coupled Receptor 86

Nucleotide Accession No. AF295368

G.I. 12711484

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2761 tgacccttgtt atctactctt tttagtaactg atgtatatat ctgaaaggag agatgtttc
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Protein I.D. AAK01864
Protein G.I. 12711485

Sequence:

MNTTVMQGFNRSERCPDRTRIVQLVFPALYTVVFLTGILLNTLA
LWVFVHIPSSSTFIYLKNTLVAIDLIMTMLPFKILSDSHLAPWQLRAFVCRFSSVIF
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SNKEATPSSVKKASLKGPLGLKWHQMVNNICQFIFWTVFILMLVFYVVIAKKVYDSY
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PCTAIRE Protein Kinase 3

Nucleotide Accession No. X66362

G.I. 297101

Sequence

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301 aagaacctga agcacgc当地 tattgtgacc ctgcatgacc tcatccac acatcggtcc
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601 aagacttact ccaatggagg ggtgaccctg tggtagggc ccccccgtatg gtcgtggg
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Protein I.D: CAA47005
Protein GI : 297102
Sequence:

KRLSLPMDIRLPQEFLQKLQMESPDLPKPLSRMSRRASLSDIGF
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LGSTEYSTPIAMWVGVCIHYEMATGRPLFPGSTVKEELHLIFRLLGTPEETWPGVTA
FSEFRTYSFPCYLPQPLINHAPRLTDGIHLLSSLLVYESKSRSMSAEAALSHSYFRSL
GERVHQLEDTASIFSLKEIQLQKDPGYRGLAFQQPGRGKNRRQSIF

G-Protein Coupled Receptor (BAI2)

Nucleotide Accession No.: NM_001703

GI: 4502356

Sequence

1 gccgcgcggg agagcgggag cctcgccct ccgcgcggct gcagctacct accctgcgcc
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121 cggccccccgc tcctgctgct gacggcgccc aggaaatcca cagcagtgtatgtgacg
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Protein ID: NP_001694

Protein GI: 4502357

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GTPase regulator associated with focal adhesion kinase pp125 (GRAF)

Nucleotide Accession No: NM 015071

GI: 7662207

Sequence:

2761 ggcacggctc tcgataatgt tcacccatct caggagccctg gctgggttggaa ggggactctg
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6721 tgaagccccg tctctgtcaa gagtgaaaa aattagccgg gtgtggtgc gggcgccgt
6781 agtcccagct actctggagg ctgaggcagg agaatggcat gagccggga ggcggagatt
6841 gcggtgagcc aagatccgcg cccctgactc cagcctgggt gacagagcca gactccgtc
6901 caaagg

Protein ID: NP_055886
Protein GI : 7662208

Sequence:

MGLPALEFSDCLLDSPHFRETLKSHEAELDKTNKFIKELIKDGK
SLISALKNLSSAKRKFADSLNEFKFQCIGDAETDDEMCIARSLQEFATVLRNLEDERI
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Serine/threonine kinase 6 (STK6)

Nucleotide Accession No: NM_003600

GI:4507274

Sequence:

1 ggaagacttg ggtccttggg tcgcagggtgg gagccgacgg gtgggttagac cgtggggat
61 atctcagtgg cggacgagga cggccgggac aaggggcggc tggcggagt ggcggagcgt
121 caagtccctt gtcgggtctt ccgtccctga tggtcctgg cgctgcctg tgcccgccca
181 ggcgccttgc atccgcctt gggcaccggag gcgcctgtt ggatactgtc tgttacttat
241 tacagctaga ggcacatgg accgatctaa agaaaaactgc attcaggac ctgttaaggc
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361 tccattacat gtaaatatgtt gcccaggctca gccgggtctt gtccttcaa attttccca

421 gcgcgttcct ttgcgaaggcac aaaagctgt ctccagtcac aagccgggtc agaatcagaa
481 gcagaagcaa ttgcaggcaa ccagtgtacc tcatccgtc tccaggccac tgaataaacac
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2161 ggcttattttt tttaaaaacat tggagtcata gcatgtgtt aaactttaaaa tatgcaaaata
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Protein ID: NP_003591.1

Protein GI: 4507275

Sequence:

MDRSKENCISGPVKATAPVGGPKRVLVTQQIPCNPLPVNSGQA
QRVLCPSSNQRVPLQAKLVSQHKPVQNQKQQLQATSVPHPSRPLNNNTQSKQP
PSAPENNPEEEELASKQKNEESKKRQWALEDFEIGRPLGKGKFGNVYLAREKQSFKILA
LKVLFKAQLEKAGVEHQLRREVEIQSHLRHPNILRLYGYFHADTRVYLILEYAPLGT
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Serine/Threonine Kinase (ULK, ULK1)

Nucleotide Accession No. NM_003565

GI: 4507832

Sequence:

1 ggatccggat tcggattagc agcccgaa gagtgcgtg gcacaggcgc cggagggagc
61 gcgaccctcg gaccccgctt ggccccgggg ctggggaccc ggcccccggcc tgcccgatgg
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5161 gctgttatattt gtataatacc aacgttaagga aataaaacccctt tggaaatgtttt gaaaaaaaaaaaa
5221 aaaaaaaaaaa

Protein ID: NP_003556.1

Protein GI: 4507831

Sequence:

MEPGRGGTETVGKFEFSRKDLIGHGAFAVFKGRHREKHDLVA
VKCINKKNLAKSQTLLGKEIKILKELKHENIVALYDFQEMANSVLYVMYE CNGGDLAD
YLHAMRTLSEDTIRFLQQIAGAMRLLHSKGIIHRDLKPQNILLSNPAGRANPNSIR
VKIADFGFARYLQSNMMAATLCGSPMYMAPEVIMSQHYDGKADLWSIGTIVYQCLTGK
APFQASSPQDLRLFYEKNKTLPVTIPRETSAPLRQLLLALLQRNHNKDRMDFDEFFHHP
FLDASPSVRKSPPVPVPSYPSSGSGSSSSSSSTSHLASPPSLGEMQQQLQKTLASPADT
AGFLHSSRDSGGSKDSSCDTDDFVMPAQFPGLVAEAPSAKPPPDSLMCSSLVAS
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TKAVPSFDPKTPSSQNLLALLARQGVVMTPPRNRTLPLSEVGPFHGQPLGPGLRPG
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VLEIAALKGSASEAAGGPEYQLQESVVADQISLLSREWGFAEQLVLYLKVAELLSSGL
QSAIDQIRAGKLCSSSTVKQVVRRNLELYKASVVCQGLSLRQLRFFLDKQRLLDRIH
SITAERLIFSHAVQMVSQSAALDEMFOHQREGCVPRYHKALLLLEGQLQHMLSDQADIENV
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Serine/Threonine Kinase 16 (MPSK1)

Nucleotide Accession No. NM_003691

GI: 4505836

Sequence:

1 ctctacacta tagtcatgat ccgctggcc cccagcgcat ctccctggaa agccccactca
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421 caagagaggt acgctgttggaa atgagataga aaggctgaag gacaaaggca acttccgtac
481 cgaggatcaa atcctttggc tgctgttgg gatctgcaga ggccttgagg ccattcatgc
541 caagggttat gcccacagag acttgaagcc caccatata ttgtttggat atgaggggca
601 gccagttta atggacttgg gttccatgaa tcaagcatgc atccatgtgg agggctcccg
661 ccaggctctg accctgcagg actggcagc ccagcgggtgc accatctcc accgagcccc
721 agagcttc tctgtcaga gtcactgtt catcggttagt cggactgtat tctggccct
781 aggctgcgtt ctatatgcca tggatgttgg ggaaggccct tatgacatgg tttccaaaa
841 gggtagatgttggccctt ctgtcagaa ccaactcagc atccacaaa gcccagggca
901 ttcttcagca ttgcggcagc tccatgcactc gatgtatgacc gtggaccgcg atcagcgtcc
961 tcacattctt ctcctctca gtcagcttgg ggcgtcgag ccccgatctt ctggccaaaca
1021 tactacccaa atggaaaaag cagcatgtt agaagatggc ccctgtgcc ttggaaagag
1081 gttccatcc ccattggaaat caccacccat tccaatccat ggacttctt tacacttgg
1141 ggttagcgggg caggacaatc atctcagtcc tgcattttt ctctgttctt ctccctcca
1201 agagcaaaaac tggcaaggg gacttactga gtnanggtgg gtgggggttgg gaaaaaggga
1261 aactggtgaaatgttggaaacat ggctctgagc aggacatgtt agctcacata gtgttctgac
1321 tccaaatgg gagcaggaga atgttaaca agaataaaatgttggcagg ttgggttaaa
1381 aa

Protein ID: NP_003682.1

Protein GI: 4505837

Sequence:

MGHALCVCSRGTIIDNKRYLFIQKLGEGGFSYVDLVEGLHDGH
FYALKRILCHEQQDREEAQREADMHRLFNHPNILRLVAYCLRERGAKHEAWLLLFFK
RGTLWNEIERLKDGNFLTEDQILWLLLGIICRGLEAIHAKGYAHRDLKPTNILLGDEG
QPVLMDLGSMNQACIHVEGSRQALTLDWAACRCTISYRAPELFQSVQSHCVIGERTDV
WSLGCVLYAMMFGEGPYDMVFQKGDSVALAVQNQLSIPQSPRHSSALRQLLNMMTVD
PHQRPHIPLLLSQLEALQPPAPGQHTTQIEKAAC

Ribosome S6 Protein Kinase (RS6PK)

Nucleotide Accession No. NM 004755

GI: 4759051

Sequence:

1 aactcatgcg gccagagccg gaaagagact cgtcttgcg tccgagttct ggagccgcgg
61 cacccccact cctggggccg cgccagccgc tgcgagggga cggggcgtccg ctgtctccgt
121 ggccccctc gtagcaccgc gccccatcgaaaaaaaaggaa gaagatggag gaggagggtg
181 gcagcagccg cggccgcgcg gggaccagcg cggacggccg cgacggagga gagcagc
241 tcactgtcaa gcacgagctg cggactgcta atttgacagg acatgcttag aagggtggaa
301 tagaaaaattt tgagctctg aaggctctg gaactggagc ttatggaaaa gtattcttag
361 ttctgtaaaaat aagtggccat gatactggaa agctgtatgc catgaaagt ttgaaaaagg
421 caacaatcg tcaaaaggcc aaaaccacag agcatacaag gacagaacga caagtcctgg
481 aacacattag gcagtcgccca ttttggtaa cattacatta tgcttccag acagaaacca
541 aacttcatct catttagat tatataaaatg gtggtaact tttactcat ctttctcaaa
601 gagagcgtt cacagagcat gaggtgcaga ttatgtgg agagattgtg ctggccctcg
661 aacatctcca caagtgggg atttatatc gtgatattaa gctgagaat attctacttg
721 attctaatgg ccatgtggtg ctgacagatt ttggctctgag taaggagtt gtggctgt
781 aaactgaaag agcatatcc ttttggaa ctattgaata catggcacca gatattgtca
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1201 gtaacttgc agaagagttc acagaaaatgg atccccactt tctccgcga gcccgtcccc
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1561 aaaagggaaat aacagctcg aaactctgtg aaggacaccc caatattgtg aagttgcgt
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1741 ggaagctgtt tcagctca agccacatgc atgatctgg agtgggtgcac agggatctga
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1981 ggagcttggg cgtcatttt tacacaatgt ttgtcaggaca ggttccctc caatctcatg
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2101 tctccatgttga aggagaagcc ttggaaagatg tatcccaaga ggctaaagat ttgatccaa

2161 gacttctcac agtagatcca aacaaaaggc taaaatgtc tggcttgagg tacaatgaat
2221 ggctacaaga tggaaagtca cgiccccca atcctctgat gactccggat attctaggat
2281 cttccggagc tgccgtgcac acctgtgtca aagcaaccc ttggccctt aacaaataca
2341 agagagaggg gtttgccctt cagaatgtt ataaggcccc ttggctaag agaagaaaaa
2401 taaaaaagac tagcaccagt accgagacgc gcagagggtc cagttagtgc tccattct
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2701 agaaaaaccc gttgggttat cctcattca aagcaacttga cagagaatgt tactgtgaat
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2941 gtggacaatg tgggttttg aaatttgcac cttcaaaaca atgatttac agagaaagg
3001 gtctgtttc aaaaaagattt ctgtatgaa ttatgtgtt ggcataactat tatttctgaa
3061 gagaagattt taacttattt ttttattttt atggatcat atgatgataa cctgcttta
3121 ttaaacatttt tctaaaaaagt gaaaaaaaaat aaaaagata taagaactca aggtccata
3181 ctctgtattc gggatccatc tgagatcatc gctaaactat gtgtatgtt ttaattttc
3241 actgctttt cctggcaattt tgtttaatg gtatgtcag aatattaagg tacatgtctc
3301 tctgttttaa gtaatattgc actttataaa aaagtatgaa taaagcaac tatttataa
3361 agtgcactgt ttaaaggcatt tgactgtat ttttgcatttatttcat ttttacttta
3421 aatttgtcct cacatgcctc ttctacttggatcaacaa tgagaatggg gccttgcgt
3481 gtcatgtatg cagccactt tgaccaatg tgagaaaaac ctaaaggaa attaaactaa
3541 acactgtgtc tcatattttt acactgtgtt gtactacagt gaggaaatttc ctctgtatg
3601 catatattat gtacataata tttagaaatc atacatgtatc ttgttggaa aattttctg
3661 ttgaattttt aatccagaaa gcatattttaaatgtatc cagagcactt ttatgtatc
3721 aaagttctgaa attcatacag aaaacaagta ctatgtatc aaaacatttc attgaaagat
3781 tgccgcattt aaaaatacaa ttaatcgat ccctatgcaaa aaaaaaaaaa a

Protein ID: NP_004746.1

Protein GI: 4759052

Sequence:

MEEEGGSSGGAAAGTSADGGDGGEQLLTVKHELRTANLTGHAEVK
GIENFELLKVLGTGAYGKVFLVRKISGHDTGKLYAMKVLKKATIVQAKTTEHTRTER
QVLEHIRQSPFLVTLHYAFQTETKLHLILDYINGGELFTHLSQRERFTEHEVQIYVGE
IVLALEHLHKLGIIYRDIKLENILLDSNGHVLTDFGLSKEFVADETERAYSFCGTIE
YMAPDIVRGGSQHDKAVDWWSLGVLMYELLTGASPFTVDGEKNSQAEISRRILKSEP
PYQPQEMSAKDLIQRLLMKDPKKRLCGCGRDADEIKEHLLFQKINWDDLAKKVPAP
FKPVIRDELDVSNFAEEFTEDPTYSPAALPQSSEKLFQGYSFVAPSILFKRNAAVID
PLQFHMVERPGVTNVARSAMMKDSPFYQHYDDLKDPLGEFSICRKCVHKKSQ
ALQVKIISKRMEANTQKEITALKCEGHPNIVKLHEVFHDQLHTFLVMELLNGGELFD
ALRKKKHFSETEASYIMRKLVSLSHMHDGVVHRDLKPENLLFTDENDNLEIKIIDF
GFARLKPPDNQPLKTPCFTLHSRCPPELLNQNGYDESCDLWSLGVILYTMMSGQVPFQS
HDRSLTCTSAVEIMKKIKKGDFSFEGEAWKNVSQEAKDLIQGLLTVDPNKRKMSGLR
YNEWLQDGSQLSSNPLMTPDILGSSGAAVHTCVKATFHAFNKYKREGFCLQNVDKAPL
AKRRKMKKTSTSTETRRGSESSHSSSHGKTTPTKTLQPSNPADSNNPETLFQFS
DSELRHGRSDQ"

Tousled-like kinase 2 (TLK2, TLK2A, TLK2B)

Nucleotide Accession No. AF162667

GI: 6063018

Sequence:

2941 tttatccct aaataattc aattttaaa aacatgcagc ttccctctcc ccttttat
3001 tttgaaaga atacatttgg tcataaaagt aaaccgtat tagcaagtac gaggcaatgt
3061 tcattccaat cagatgcagc ttctccccc gtctggcttc ctgttgcaa ttgcctccct
3121 catctcgat gggaaaaaat tgagtggag tactgagatg tgtgggttt tgccatggaa
3181 caaagaatga ggttagaaga ctgcagctg gagtctctc aggtttcaa ctattctc
3241 acaatttggaa cactgacgg ttgtccctt taatttattt gaagtgtat tttttaaat
3301 aaagggtcat ctgtccatgc aaaaaaaaa

Protein ID: AAF03095.1

Protein GI: 3063019

Sequence:

MEELHSLDPRRQELLEARFTGVGVSKGPLNSESSNQLCSVGSL
SDKEVETPEKKQNDQRNRKRKAEPYETSQKGKTPRGHKISDYFEFAGGSAPGTSPGRS
VPPVARSSPQHSLSNPLPQQVEQPLYGLDGSAAKEATEEQSALPTLMSVMLAKPRLDT
EQLAQRGAGLCLTFVSAQQNSPSSTSGSGNTEHSCSSSQKQISIQHRRRTQSDLTIEKISA
LENSKNSDLEKKEGRIDLRLRANCDLRRQIDEQQKMLEYKERLNRCVTMSKKLLIEK
SKQEKMACRDKSMQDRLRLGHFTTVRHGASFTEQWTDGYAFQNLIKQQERINSQREEI
ERQRKMLAKRKPPAMGQAPPATNEQKQRKSKTNGAENETLTLAEYHEQEEIFKLRLGH
LKKEEAEIQAEALERLERVRNLHIRELKRIHNEDNSQFKDHPTLNDRYLLLHLLGRGGF
SEVYKAFDLTEQRYVAVKIHQLNKNWRDEKKENYHKHACREYRIHKELDHPRIVKLYD
YFSLDTDSDCTVLEYCEGNLDLDFYLKQHKLMSKEARSIIMQIVNALKYLNIEIKPPII
HYDLKPGNILLVNGTACGEIKITDFGLSKIMDDDSYNSVDGMELTSQGAGTYWYLPPE
CFVVGKEPPKISNKVDVWSVGIVFYQCLYGRKPFGHNQSQQDILQENTILKATEVQFP
PKPVVTPEAKAFIRRCLAYRKDRRIDVQQLACDPYLLPHIRKSVSTSSPAGAAISTS
GASNNSSSN"

Ethanolamine Kinase (EKI/ EKI1)

Nucleotide Accession No. NM_018638

GI: 21071078

Sequence:

1 gtgaccggag gcgagaaaacc cccgcctcggc accctgcacgc a诶gcgcaggac cccgcggc
61 cgtgacgcca gcgtcaggcc agccccggca tgctctcgcc cccgcggc tccagtc
121 acaacaggaa ttctccga gagcggggcc ggctcagtc agctctgtc cagacccgg
181 tcggcaacag tgccgcctcc agacgttctc ctgcgcctcg cccgcggc ccagcggcc
241 cagccctccc gcgaggggcgc cccgggacgg aaggatccac cagtcgtcg ggcggcc
301 ttctctgtt cgccgtcgcc gtcgtcggt tggtacttc cgccgtcgcc tggccatgg
361 ccaattacat ccacgtccct cccggcgtccc cggaggtgcc caagctgaac gtcaccgttc
421 aggttcggg ggagcatcgc tgccgggagg gggccctgag cttctgcaca cacctgcgg
481 ctcactggga ccccccaggag gtgaccctgc agtcttcac agatggaa cacaataaac
541 ttatggctg ttacgtggaa aacaccatgg aggtatgtt ccttgtgaga attatggca
601 ataagactga gttatagtgc gatcgagatg aggaagtaaa gagtttgcgatgttgcc
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781 ctgcgtcagct tgctaaaatc catgtatcc atgcacacaaa tggctggatc cccaaatct
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901 acattaataa aagggttctt agtgtatcc caagctctca gattctccag gaagagatga
961 ctggatgaa ggagattctt tccaacctgg gtcacccgt tgcgttgc cataatgacc
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1141 gtgtgagtga tgtagactat agtctgtatc cagatagaga actacagagt cagtggtgc
1201 gtgttacct tgaagcctac aaagaattt aaggcttgg gactgaagtt actgaaaagg
1261 aggttagaat actctcatc caagtcaatc agttgcatt ggcttcat ttctttgg
1321 gattgtggc ttgattcaa gccaaatact ccactattga gttgatttc ctgggtatg
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1441 ctgagtaaag aagagattt attatttcc agtagctgag caatgttgtt gaatcttcc
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1561 cttaataat tatgcctca aacaatcaaa tctattttg aaatagactg aatgtatgt
1621 agaaatatac ctactgtat ccgtatgtt tggttagaa atgtgtttt tctgc
1681 gtataaagat gtcagttaa ttctttgtt aatttaaccc tttgttgtt taaaatgtt
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1861 aacattcttag ttgttgcgtt taacccctttt atcttgcattt atgttgtt aatgtatgt
1921 ttactcttg aatgtccatgtt cattgtactt tgtagataat ttaggtttt cataaaaaaa
1981 tagctgttta ggaagggtgaa atacatttc tgcgttgc ttgttgttccat ttttgtt
2041 tcaatattttt aatgttttcc ttgttgggtt aatataactt agaattttt ccctgttct
2101 ctatgtatgc tggcgtata aatataaataa ttaccatattt aatctggaa taagtattt
2161 ttaatgttac cccaaatctgtt attaaataat gtttcaat gctaaaaaaa aaaaaaaaaaa
2221 a

Protein ID: NP_061108.2

Protein GI: 10092615

Sequence:

MLCGRPRSSSDNRNFLRERAGLSSAAVQTRIGNSAASRRSPAAR
PPVPAPPALPRGRPGTEGSTSLSAAPAVLVAVAVVVVSAVAMANYIHVPPGSPE
VPKLNVTVDQEHEHRCREGALSLLQHLRPHWDWPQEVTLQLFTDGITNKLIGCYVGNTM

EDVVLVRIYGNKTELLVDRDEEVKSFRVLQAHGAPQLYCTFNNGLCYEFIQGEALDP
KHVCNPAIFRLIARQLAKIHAIHNGWIPKSNLWLKMKGKFSLIPTGFADEDINKRF
LSDIPSSQILQEEMTWMKEILSNLGPVVLCNDLLCKNIIYNEKQGDVQFIDYEYSG
YNYLAYDIGNHFNEFAGVSDVDYSLYPDRELQSQWLRAYLEAYKEFKGFGTEVTEKEV
EILFIQVNQFALASHFFWGLWALIQAKYSTIEFDFLGYAIVRFNQYFKMKPEVTALKV
PE

MAP kinase-interacting serine/threonine kinase1 (MKNK)

Nucleotide Accession No. NM_003684

GI: 21361100

Sequence:

1 ggcacgaggg cgaccgctcc cggcgggag ccagcgaagg tttccatgtc agaggccat
61 ggagaactga agatgccac ctacgcacaa aggcattga gacacttcgt gtagctggaa
121 gacaccaact tcctgacagg agcttattt cattggat tcaagtta cagatggat
181 ctctcaaaa gtggaaaaaa cctatagaga tggcagtag cgaacccctt cccatcgac
241 atggcacag gaggaggaag aagaagcggg gggccgggc cactgactcc ttgccagggaa
301 agttgaaga tatgtacaag ctgacccctg aattgttgg agagggagcc tatgccaag
361 ttcaagggtgc cgtgagccata cagaatggca aagagtatgc cgtcaaaatc atcgagaaac
421 aagcaggccca cagtcggagt agggtttc gagaggtgga gacgctgtat cagtgtcagg
481 gaaacaagaa cattttggag ctgattggat tccttgaga tgacacaagg tttacttgg
541 tccttgagaa attgcaagga ggtccatcat tagccccat ccagaagcaa aagcactca
601 atgagcgaga agccagccga gtggcggg acgttgtc tgccctgac ttccctgcata
661 ccaaagacaa agtctctc tgcacccat gctggatgtc tatggcgcac tcaggccta
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781 ggactacagg cattgctcat cgtgatctga aaccagaaaa tatattgtgt gaatctccag
841 aaaagggtgtc tccagtggaa atctgtgact ttgacttggg cagtggtatc aaactgaaca
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1261 ttaggcggc ccaagttctg cagcacccat gggcgggg gcaagctcca gaaaaggac
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1681 attcaggctt ttccatctac gaaggccctg aggtttccat caacccccc ttccctagg
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2461 tggccccca ggtcttgtgt gggggcaca gatctggca gttagatagt gctctgtcc
2521 taaggtaag ccacactagg gtgaaggcctc acttccctgtt tagacaatg cagtgcctgc
2581 tgccctgtgt catgaaggta cagccatca gataagtggaa actattgagt tacataaaga
2641 aaatagattt gcatttgc ggcagacgtt tatacaacac cacggtgctt ttatacattt
2701 tgcttatttt aataaaaactt aaattctaaa aaaaaaaaaaaaa

Protein ID: NP_003675.2

Protein GI: 21361101

Sequence:

MVSSQKLEKPIEMGSSEPLPIADGDERRRKRRGRATDSLPGKF
EDMYKLSELLGEGAYAKVQGAVALQNGKEYAVKIIEKQAGHSRSRVFREVETLYQCQ
GNKNILELIEFFFEDDTRFYLVFEKLQGGSLAHIQKQKHFNEREASRVVRDVAAALDF
LHTKDKVSLCHLGWSAMAPSGLTAAPTSLGSSDPPTSASQVAGTTGIAHDLKOPENIL
CESPEKVSPVKICDFDLGSGMKLNNSCTPITTPELTTPCGSAEYMAPEVVEVFTDQAT
FYDKRCDLWSLGVVLYIMLSGYPPFVGHCAGDCGWDRGEVCRVQCQNLFESIQEGKYE
FPDKDWAHISSEAKDLISKLLVRDAKQRSLAAQVLQHPWVQGQAPEKGLPTPQLQRN
SSTMDLTFAAEAIANRQLSQHEENELAEEPEALADGLCSMKLSPPKSRLARRRAL
AQAGRGEDEDRSPPTAL

Homo sapiens cDNA (FLJ20559, UK, UKH)

Nucleotide Accession No. NM_017881

GI: 8923529

Sequence:

1 aaaggggcct ctggtgaccg cccctacctg gcatccctct aacccaggag gagcgtgggg
61 aaaggggctg tggcccttc ggggagcggag ctgcgggttag cggcgactg ggtacaggcg
121 cgcgttgc tgcgcctct tcggctgtgt ttggaggac tcgaactggc gccaggaaat
181 attaggaagc tggatgtttt aaagctaattt atgaaaacat ttatcatgg aatcagtgg
241 gtgacaaaaca gtggcaaaac aacactggct aagaattgc agaaacacct cccaaattgc
301 agtgtcatat ctcaggatga ttcttcaag ccagatctg agatagagac agataaaaaat
361 ggatttgc agtacgtgt gcttgaagca ctaacatgg aaaaaatgt gtcagccatt
421 tcctgttgc tggaaaggcgc aagacactct gtggtatcaa cagaccaggaa aagtgttag
481 gaaatccca tttaatcat cgaagggttt ctctttta attataagcc ctttgacact
541 atatggaaata gaagcttattt cctgtactt ccatatgaag aatgtaaaag gaggaggagt
601 acaagggtct atcagccctcc agactctccg ggatactttt atggccatgt gtggccatgt
661 tatctaaatgtt acagacaaga aatgcaggac atcacatgg aagtgtgtt cttttttttt
721 acaaaaatctg aagaggaccc tttttgcataa gtatgttgc aatcaataca agaacttagca
781 aagcaaaaatgtt gtttgcataa gacagcataa agacggaaaca caacaaatcc ttccctgtt
841 gaatttaggaa actccaagga gtaatttaag aaccccttccacc aagataacaat gtatactgt
901 gtacaatgac agccattttt tcatatgtt gatttttttt gcacatgtt ttcccaacat

961 gtggaaacaat aaatatccat gccaatggac aggactgtac cttagcaagt tgctccct
1021 ccaggggagcg catagataca gcagagctca cagtgagtca gaaagtcctcc acttctgaa
1081 catacgctta taacaatgtat tgtcaaactt ttcttaactgg agctcagatg aagaataaaa
1141 gattacatca caatccaaaa aaaaaaaaaa aa

Protein ID: NP_060351.1

Protein GI: 8923530

Sequence:

MKTFIIGISGVTSNGKTTAKNLQKHLPCNSVISQDDFFKPESE
IETDKNGFLQYDVLEALNMEKMMSAISCWMESARHSVSTDQESAEEIPILIEGFL
FNYKPLDTIWNRSYFLTIPYEECKRRRSTRVYQPPDSPGYFDGHVWPMLKYRQEMQD
ITWEVVYLDGTKEEIDLFLQVYEDLIQELAKQKCLQVTA

Homo sapiens cDNA (FLJ13351, FLJ13)

Nucleotide Accession No. AK023413

GI: 10435341

Sequence:

1 gctggaaccc ggccggaga gtagagaaaa ggggcctctg gtaccgcgc ctacccgg
61 tccctcaac ccaggaggag cgtggggaaa ggggctgtgg gcctctcgaa gagcggatctg
121 cggtagcg cgactgggt acaggcgcgc gcttgcgtg cgccctgccc gctgtgttg
181 ggaggactcg aactggcgcg aggaaatatt aggaagctgt gatttcaaaa gctaattatg
241 aaaacattta tcattggaat cagtggtg acaaacaatg gaaaacaac actggctaa
301 aatttcgaga aacacctccc aaatgcagt gtcataatc aggtatgtt cttcaagcca
361 gagtctgaga tagagacaga taaaaatggg ttgtcgat acgtgtct tgaagcactt
421 aacatggaaa aatgtatgtc agccatttcc tgctggatgg aaagcgcaag acactctgt
481 gtatcaacag accaggaaaag tgctgaggaa attccattt taatcatcgaa aggtttctt
541 ctttttaatt ataagtaagc atccaccc taatattgtc tctgatgtaa tggtggata
601 aaaacccttg tgaactaagt atgctttat tttaggcccc ttgacactat atgaaataga
661 agctatttcc tgactattcc atatgaagaa tgaaaagga ggaggaggta agtttgaac
721 catcttgcgt agttgtattt caaaacaaaa aatgtagaag aaaaatgagg acagcaacat
781 tattgagcaa tgctatacg tcattttca gagacaggaa gccttaactc ttttacaaaa
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961 ccatgggtat taggattttt atgaaatgtc gcctgtctg ccacagctac aaagaacacc
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1261 attttccat tatctgtacc attcatatt tactttatca attgtgtgt tctgtcaaca
1321 taaagttcc tacgtgtttt gatagtacaa gggtctatca gcctccagac tctccggat
1381 actttgtatgg ccatgtgtgg cccatgtatc taaagtacag acaagaaaatg caggacatca
1441 catgggaagt tggtatgtc gatggaaacaa aatgtatgtc ggacctctt ttgcgtatgt
1501 atgaaatgtc aatacaagaa ctagcaaaatg tttt gcaagtgtaca gctatataagac

1561 ggaacacaac aaatcctcc tgaagtgaat taggaaactc caaggagtaa tttaagaacc
1621 ttcaccaaga tacaatgtat actgtggta aatgacagcc attgttcat atgttgatt
1681 ttatgcac atggtttc caacatgtgg aacaataaat atccatgcca atggacagga
1741 ctgtaccta gcaagttgct ccctctccag ggagccata gatacagcag agtcacagt
1801 gagtcagaaa gtctccactt tctgaacata gctctataac aatgattgtc aaactttct
1861 aactggagct cagagtaaga aataaagatt acatcacaat cc

Protein ID: -

Protein GI:-

Sequence:-

N-terminal kinase-like (Telomerase associated; NTKL)

Nucleotide Accession No. AF225424

GI: 9963850

Sequence:

1 cagccgagca agaaaaatt cttccaggag ctgagcaaga gcctggacgc attccctgag
61 gattctgtcg gcacaagggtg ctgccccagc tgctgaccgc cttcgagttc ggcaatgctg
121 gggccgttgt cctcacgccc ccttcaagg tggcaagtt cctgagcgct gaggagtatc
181 agcagaagat catccctgtg tggtcaaga tgttctcatc cactgaccgg gccatgcga
241 tccgcctct gcagcagatg gaggagtca tccagttacat tgacgagcca acagtcaaca
301 cccagatctt ccccccacgtc gtacatggct tcctggacac caaccctgcc atccgggagc
361 agacggtaaa gtccatgtcg ctccctggcc caaagctaa cgaggccaaac ctcaatgtgg
421 agctgtatgaa gcacttigca cggctacagg ccaaggatgaa acaggggccc atccgcgtca
481 acaccacagt ctgcctgggc aaaatcggtc cctacatcg tgtagcacc agacacaggg
541 tccttacctc tgccctcagc cgagccacta gggaccctgt tgccaccgtcc cgggttgcgg
601 gtgtccctggg ctttgctgcc acccacaacc tctactcaat gaacgactgt gcccagaaga
661 tcctgcctgt gctctgcgtt ctcactgttag atcctgagaa atccgtgcga gaccaggcct
721 tcaaggcatt tcggagcttc ctgtccaaat tggagttctgt gtccggaggac ccgaccacagc
781 tggaggaagt ggagaaggat gtccatgcag cctccagccc tggcatggga ggagcccgag
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901 cgcacccaaac cactgccccca acagaaacca acattccccca aagaccacgc cgtccctgcac
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1081 cagcaggacg actggagcac cggggggccaa gtgagccgt ctagtcggat cagcaactcc
1141 gaccacaaat cttccaaat ccccaagatc cgtactggagc agctgggaag ctgagggctc
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1561 cggcccccacag atgtatttat ttttacaaacc atgtggccccc ggccggccca gccaggccat
1621 ctcacgtta cataatcaga gccacaataa attctatttc aaaaaaaaaaaaaaaa
1681 aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa
1741 aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa

Protein ID: AAG09726.1

Protein GI: 9963851

Sequence:

MFSSTDAMRIRLLQQMEQFIQYLDEPTVNTQIFPHVHGFLDT
NPAIREQTVKSMLLAPKLNEANLNVELMKHFARLQAQDEQGPIRCNTVCLGKIGSY
LSASTRHRVLTSFSRATRDPFAPSRRVAGVLGFAATHNLYSMNDCAQKILPVLGTV
DPEKSVRDQAFKAFRSFLSKLESVSEDPTQLEEVDHAASSPGMGGAAASWAGWAW
TGVSSLTSKLIRSHPTTAPTEVNIPQRPSRPARRPLGDAGGGQGHSGRGQQHC

CDC42-binding protein kinase beta (DMPK-like; CDC42, CDC42BPK)

Nucleotide Accession No. NM_006035

GI: 16357473

Sequence:

1 gggcggggct gagggcggcg gggcgggccc gccccagctg ggagggcggc ggcgccgagg
61 ggaggagagc ggcggatggc cccgggggc cccggccccc agactctcg cggtcgggac
121 ggagcccaag atgtcgccct aggccggggc gcgacgacgc ggacggggcg gcgaggaggc
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241 cgagccggcg gtgagaggcc ggcgcgtcg gacggggccc cgcggcacca tgcggccaa
301 ggtgcggctc aagaagctgg agcagctgtc cttggacggg ccctggcgca acgagagcgc
361 ctcggcgctg gaaacgcgtc tcgacgtgt ctgtcgct tacaccgagt gcagccactc
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6661 aatgtaaatgc tcagtcattttaattaaat ttaattgtg agaacaattt tgaacaattt
6721 acctgtcaat aaaggcagaag acggcagtt taaagttaaa aaaaaaaaaaaaaaaa
6781 aa

Protein ID: NP_006026.2

Protein GI: 16357474

Sequence:

MSAKVRLKKLEQLLLDPWERNESALSVETLLDVLVCLYTECSHS
ALRRDKYVAEFLWAKPFTQLVKEMQLHREDFEIIKVIGRAFGEAVVVMKNTERY
AMKILNKWEMLKRAETACFREERDVLVNGDCQWITALHYAFQDENHLYLVMDYYVGGD
LLTLLSKFEDKLPEDMARFYIGEMVLAIDSIHQLHYVHRDIKPDNVLLDVNGHIRLAD
FGSCLKMNDGTQSSAVGTPDYISPEILQAMEDGMGKYGPECDWWSLGVCMYEMLY
GETPFYAESLVTYKIMNHEERFQFPSHTDVSEEAKDLIQRILCSRERRRLGQNGIE
DFKKHAFFEGLNWENIRNLEAPYIPDVSSPSDTSNFDVDDDVLRNTIELPPGSHTGFS
GLHLPIGFTFTTESCFSDRGSLKSIMQSNTLTKDEDVQRDLEHSLQMEAYERRIRRL
EQEKLELSRKLQESTQTQVQLHGSSRALSNRDKEIKKLNEEIERLKNKIADSNRLE
RQLEDTVLRQEREDSTQRLRGLEKQHRVVRQEKEELHKQLVEASERLKSQAELKDA
HQQRKLALQFSELMERMAELRAQKQKVSRLRDKEEEMEVATQKVDAMRQEEMRRAEK
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DVQRGIGTAYKGHVVKPKPTGVKKGWQRAYAVVCECKLFLYDLPEGKSTQPGVIASQV

LDLRDDEFVSSVLASDVIHATTRDIPCFRVTASLLGAPSKTSSLILTENENEKRK
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LAFLRDRDLCVGYPGFCLLSIQGDGQPLNLVNPNDPSLAFLSQSFDALCAVELESEE
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VQTIGLRRIRPLNSEGTLNLLNCEPPRLIYFKSKFSGAVLNVPDTSDNSKKQMLRTRS
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Ribokinase (RSBK)

Nucleotide Accession No. AJ404857

GI: 10799802

Sequence:

1 acctttggc gatggcgccg tctggggAAC cccagaggca gtggcaagag gaggtggcgg
61 cgggttagt ggtgggcctcc tgcatgaccg acctggtcg tctacttct ctgttgccaa
121 aaactggaga aaccatccat ggacataagt ttttattgg ctggaggg aaaggtgcca
181 accagtgtgt ccaagctgtc cggctggag caatgacgtc catgggtgt aaggttggca
241 aagattctt tggcaatgt tatataaaaa actaaaaaca gaatgatatt tctacagaat
301 ttacatatca gactaaagat gctgctacag gaactgcttc tataattgtc aataatgaag
361 gccagaatat cattgtcata gtggctggag caaatttact ttgaatacgt gaggatctga
421 gggcagcagc caatgtcatt agcagagcca aagtcatgtt ctgccagctc gaaataactc
481 cagcaacttc ttgggaagcc ctaacaatgg cccgcaggag tggagtgaaa acctgttca
541 atccagcccc tgccattgtct gacctggatccc acatgttca caccctctca gatgtgttct
601 gctgaatgt aagtggggct gagatttaa ctggcctcac ggtgggcagc gctgcagatg
661 ctggggaggc tgcatgttgc ctctggaaaa ggggctgcca ggtggtaatc attaccttag
721 gggctgaagg atgtgtgttgc ctgtcacaga cagaacactgtc gccaaagcac attcccacag
781 agaaagtcaa ggctgtggat accacgggtc ctggtgacag ctggggatc gctctggct
841 tctacctggc ttactatcca aatctgtcct tggaaagacat gctcaacaga tccaaattca
901 ttgcagcagt cagtgtccag gctgcaggaa cacagtcatc ttacccttac aaaaaagacc
961 ttccgcttac tctgtttgttgc ttccaaataa aatatacctg ggaataaaaat
1021 gtacttgggg gtggctgtc ctggctaatgtt ctatttagaa aatgtcctcg tcccccttct
1081 ttgcaaatat tagtctttt acgaagtcat cctcaagctt caattttattt ataacgtatgt
1141 ttctttgttgc ttccatgtat ttgcacaaaaa caaccagaat taaagattcc acaacc

Protein ID: CAC12877.1

Protein GI: 10799803

Sequence:

MAASGEPQRQWQEEVAVVVVGSCMTDLVSLTSRLPKTGETIHG
HKFFIGGGKGANQCVQAARLGAMTSMVCKVGKDSFGNDYIENLKQNDISTEFTYQTK
DAATGTASIIVNNNEGQNIIVAGANLLLNTEDLRAAANVISRAKVMVCQLEITPAT
LEALTMARRSGVKTLFNAPAIADLPQFYTLSDFCCNESEAELTGLTVGSAADAG
EAALVLLKRGCVVIIITLGAEGCVVLSQTEPEPKHIPTEKVKAVIDTTGAGDSFVGALA

FYLAYYPNLSLEDMLNRSNFIAAVSVQAAGTQSSYPYKKDLPLTLF

G-protein-coupled receptor (EDG6)

Nucleotide Accession No. NM_003775

GI: 4503458

Sequence:

1 gagtcagccc ccgggggagg ccatgaacgc cacggggacc ccgggtggccc ccgagtcctg
61 ccaacagctg cgccgcggcg ggcacagccg gctcattgtt ctgcactaca accactcgaa
121 ccggctggcc gggcgccccg ggcggagga tggcgccctg ggggcccctgc gggggctgtc
181 ggtggccccc agctgcctgg tgggtctggaa gaacttgctg tgctggcgcc ccatcaccag
241 ccacatcgccg tcgcgacgcg ggggtctacta ttgcctggta aacatcacgc tgagtaccc
301 gctcacgggc gcggccctacc tggccaacgt gctgctgtcg ggggccccgca cttccgtct
361 ggcgcccggcc cagtggttcc tacgggaggg cctgccttc accggccctgg ccgcctccac
421 cttcagccctg ctcttcactg caggggagcg ctttgcaccat atggtgcggc cgggtggccga
481 gagcggggcc accaagacca gccgcgtcta cggcttcata cgcctctgtc ggctgctggc
541 cgcgtctgtc gggatgtcgc ctggctgggg ctggaaactgc ctgtgcgcct ttgaccgctg
601 ctccagccctt ctggccctactt actccaacgc ctacatccctt ttgcctgg tgatcttcgc
661 cggcgtccctg gccaccatca tgggcctcta tggggccatc ttccgcctgg tgcaaggccag
721 cgggcagaag gccccacgcc cagcggcccg cgcgaaggcc cggccctgc tgaagacgggt
781 gctgtatgtc ctgtggccct tcctgggtgt ctggggccca ctctcgggc tgctgctggc
841 cgacgtttt ggctccaacc tctggggccca ggagtgacctg cggggcatgg actggatct
901 ggcctggcc tcctcaact cggcggtaa ccccatcatc tactccctcc gcagcaggga
961 ggtgtcaga gccgtctca gcttcctctg ctgcgggtgt ctccggctgg gcatgcggagg
1021 gccccgggac tgccctggccc gggccgtcgaa ggcctactcc ggagcttcca ccaccgacag
1081 ctctctgagg ccaagggaca gctttcgccg ctcccgctcg ctgcgtttc ggatgcggga
1141 gccccgttcc agcatctcca gcgtgcggag catctgaagt tgcaigtctg cgtgtggatg
1201 gtgcagccac cgggtgcgtg ccaggcaggc cctccctgggg tacaggaagc tgggtgcacg
1261 cagcctcgcc tggatggggc gcaggaaacg ggacaggccc ccatggctt cccgggtggcc
1321 tctcggggtctgacgcca aatgggcttc ccatggtcac cttggacaag gaggtaacca
1381 cccccacccctcc ccgttaggagc agagagcacc ctgggtgggg ggcgagtggt tccccacaac
1441 cccgcctctg tggatgtcgggaaatggcccttc tggccctcg tagggctccc
1501 aggctgcaag ggggtggactg tggggatgtc gcccctggcaa catgtggatgtt cgatcatgg
1561 aaaaaaa

Protein ID: NP_003766.1

Protein GI: 4503459

Sequence:

MNATGTPVAPESCQQLAAGGHSRLIVLHYNHSGRLAGRGGPEDG
GLGALRGLSVAASCLVVLENLLVLAITSHMRSRRWYYCLVNITSDLTGAAYLAN

VLLSGARTFRLAPAQWFLREGLLFTALAASTFSLLFTAGERFATMVRPVAESGATKTS
RVYGFIGLCWLLAALLGMLPLLGWNCLCAFDRCSSLLPLYSKRYILFCLVIFAGVLAT
IMGLYGAIFRLVQASGQKAPRPAARRKARRLLKTVLMILLAFLVCWGPLFGLLLADVF
GSNLWAQEYLRGMDWILALAVLNSAVNPIIYSFRSREVCRAVLSFLCCGCLRLGMRGD
GDCLARAVEAHSGASTTDSSLRPRDSFRGSRSLSFRMREPLSSISSVRSI

Diacylglycerol kinase (DAGK)

Nucleotide Accession No. L38707

GI: 606756

Sequence:

1 gggcggacct aaaggggctc gggccgctcg ggccgggaat ggccggggcg gccgagcccg
61 gggcccgccc ctggctgggc ggcggctccc cgcgccccgg cagcccgccc tgcagccccg
121 tgctgggctc aggaggccgc ggcgccccgg ggccggggcc gggggccggga cgngaccgag
181 cggccggcgt cagagcccg gcccgtgccc cgcggggaca cagctccgg aaggtacgc
241 tcaccaaggcc caccttcgtc cacctctgtc ccgacttcat ctgggggctg gccggcttcc
301 tgtgcgacgt ctgcaatttc atgtctcatg agaagtgcct gaagcacgtg aggatcccg
361 gcacgagtgt ggcacccagc ctggccggg ttccctgtac ccactgcttc ggccccccgg
421 ggctccacaa ggcgaatttc tgtgtgtct gcccgaagggt cctggaggca cggcgctcc
481 actgcgaagt gtgtgagctg cacccacc cagactgtgt gcccctcgcc tgcagtgact
541 gccgcccagt ccaccaggat gggcaccagg atcacacac ccatcaccac cactggcg
601 aggggaacct gcccctcgga ggcgcgtcg aggtctgcag gaagacgtgc ggctccctg
661 acgtgctggc cggcgctgccc tgcgagtggt gcccgggtcca ggcgcactcc ctctgtcc
721 cggcactggc tcccggatgt ggcttcgggc gtctgcgtc cctggccctg cttcccgccgt
781 gcgtgcgcct tctggccggc ggcttcagca agacgcagag cttccgcattt gttggaggcc
841 cggagccggg cgaggggggc gacggcgccg acgggagcgc tgccgtgggt ccaggcagag
901 agacacaggc aactccggag tccgggaagc aaacgctgaa gatcttgat ggcgacgacg
961 cggtgagaag aagccaggta cgcctcgta cgggttcccg cctggccgtt gccgaggagg
1021 tgctggaggc cgcactgccc gcccaccaca tcccccgggaa ccctggccac ctggagctgt
1081 gccggctggcc cccttcctt caggctgtc acgcctggc tggggggcaag gctggggatg
1141 ctgtgatctc ggaggaggggc agaagccccg ggtccggcga gggccacccca gggccctgg
1201 tcatccgggc tctggccgg gcccaggagg tccctgaagat ctaccctggc tggctcaagg
1261 tgggcgtggc ctacgtgtcc gtgcgagtg cccctaagag cacggctgc tctgtggtg
1321 tggaggtctt gccgcgtc ggcggccagg ccgagatgtcc cgagatctc cagctggtg
1381 aggtggcgat gggctgcagg cacgtccgcg ggacgtatgt gatggacgaa cagccccctgc
1441 tggacccggct acaggacatc cggcagatgt ctgtgcggca ggtgagccag acgcgggttct
1501 acgtggcaga gggcggggat gtggcccccgc acgtctccct ttttgtggc ggcctgcctc
1561 cccgcctgtc tcccggagg tacagcagcc tgcgtcatga ggcggggct accaaagcca
1621 cccgtgggtc cgtgagtcac atctacttcc cccaaaggcgc ggttagtggc gacgttgcc
1681 gctttgcggg ggccgagcgg ctgtacatgc tgcgtgggaa catggctgtt cggggccggc
1741 tgctactgc cctgggtgtc cccgacccgtc tgcaacgcgaa gctggccccc gacagctgtc
1801 ccctccgtt gttcgtgaac cccaaaggatgt gggccctaa gggccgagac ctgcctgtca
1861 gcttcggaaa gctactgaac cctcatcagg tcttcggactt gaccaacggg ggtcccttc
1921 cccggctcca cctgttcc cagggtggcct gcttcgggtt gttgggtgtt gttggcgatg
1981 gcactgtggg ctgggtgtt ggcccccgg aggagacacg gtaccgactg gcctggccgg
2041 agcccttcgtt ggcacatcccg cccctggcga caggaaatgtt ccttgggtcga gtcctccgt
2101 gggggccggg ctacagccgc gaggaccgt tctccgtact gctgtgtgtt gacgaggccg
2161 acggcgtgtt catggaccgc tggaccatcc tgcgtgttcc ccacgaagctt ggcagtgc
2221 agaacacac ggcagacgcgca gagccccccca agatgtgc gatgagtaac tacttgtgg
2281 ttggcatcga cgcggagctg agccctggact tccaccaggc acgggaagag gagccctggca
2341 agttcacaag caggctgcac aacaagggtt tgcgtgtc ggtggggctg cagaagatca
2401 gtcacttcgtc gaggcgtc ac aagcagatcc ggcgtcagggt ggagccggcag gaggtggagc
2461 tgccctgtt tgaaggccctt atcttcatca acatccccag ctggggctg gggccgacc
2521 tggggccgtt cgcacacccgc accaggatgtt agaagccacg catggacgc gggctgtgg
2581 aggtgtggg cgtgcggc gtcgtgcaca tggccgggtt ccagggtggg ctgcgtcc
2641 gaatccggat tggccagggtt tccacttcc gaggcgttcc cctcaaggcc accccgggt
2701 aggtggacgg ggagccctgg tgcaggccc cggggcacat gatcatctca gtcgtggcc
2761 ctaaggtgca catgcgttcc aaggccaaacg agaagccgag gagggccggg accaccagg
2821 atgccccggc ggatgtgcg cctggccctt agagcgttcc taggttagggg tggctggggc

2881 agcccaaggg ctcgagccat ctctgcctcc gccagcctg tttcaggtg gtctggaggc
2941 agctccacgt cacacagtgg ctgtcatata ttgaagtta tcctccactg gaaaaaaaaat

Protein ID: AAA98749.1

Protein GI: 606757

Sequence:

MAAAAEPGARAWLGGGSPPGSPACSPVLSGGRARPGPGPGP
RDRAGGVRARARAAPGHSFRKVTLKPTFCILCSDFIWGLAGFLCDVCNFMSHEKCLK
HVRIPCTSAPSLRVVPVAHCFGPRGLHKRKFCAVCRKVLEAPALHCEVCELHLHPDC
VPFACSDCRQCHQDGHQDHDTHHHWREGNLPSGARCEVCRKTCGSSDVLAGVRCEWC
GVQAHSLCSAALAAPECGFGRRLRSVLPPACVRLLPGGFSKTQSFRIVEAAEPGEGGDG
ADGSAAVGPGRRETQATPESGKQTLKIFDGDDAVRRSQFRLVTSRLAGAEEVLEAALR
AHHIPEDPGHLELCRLPPSSQACDAWAGGKAGSAVISEEGRSPGSGEATPEAWVIRAL
PRAQEVLKIYPGWLKVGVAYVSERVTPKSTARSVLEVPLLLRQAESFQLVEVA
MGCRHVQRTMLMDEQPLLDRLQDIRQMSVRQVSQTRFYVAESRDVAPHVSLFVGGLPP
GLSPEEYSSLLHEAGATKATVSVSHIYSSQAVLDVACFAEAERLYMLLKDMAVRG
RLLTALVLPDLLHAKLPPDSCPLLVFVNPKSGGLKGRDLLCSFRKLLNPHQVFDLTNG
GPLPGLHLFSQVPCFRVLVCGGDGTGVWVLGALEETRYRLACPEPSVAILPLGTGNDL
GRVLRWGAGYSGEDPDFSVLLSVDEADAVLMDRWTLILDAHEAGSAENDTADAEPKIV
QMSNYCGIGIDAELSLDFHQAREEEPGKFTSRLHNKGYYRVGLQKISHSRSLHKQIR
LQVERQEVELPSIEGLIFINIPSWGSGADLWGSDSDTRFEKPRMDDGLLEVVGVTGVV
HMGQVQGGLRSGIRIAQGSYFRVTLLKATPVQVDGEPWVQAPGHMIISAAGPKVHMLR
KAKQKPRRAGTTRDARADRAPAPESDPR

G protein-coupled receptor 12 (GPR12, GPCR12)

Nucleotide Accession No. U18548

GI: 604499

Sequence:

1 aagcttgtgg catttggtaac tggtatctga gcagggggctg gctttctgtt tgtctgttg
61 tttttgtat gatcttggat tgtcacccctg ctgtattaa acataaaaaa gcctgtctt
121 tcgttgaaga ggacaggggt taaaatgaat gaagacctga aggtcaattt aagcgggctg
181 cctcgggatt atttagatgc cgctgctgcg gagaacatctt cggctgtgt ctcccccgg
241 gttccctggcg tagagccaga gcctgagctc gtatcaacc cttggacat tgccttgtt
301 acctcgggaa ccctcatctc ctgtaaaaat gcccatttgtt tccttatcat ctccccacaac
361 cccagccctgc gagcacccat gtccctgcta ataggcagcc tggctctgc agacctgctg
421 gccggcatgt gactcatcac caattttgtt ttgccttacc tgcttcagtc agaagccacc
481 aagcttgtca cgatcggtctt catgtcgcc tccttcctg cctctgtctg cagctgtctg
541 gctatcactg ttgaccgcta cctctcacgt tactacgtc tgacgtacca ttccggagagg
601 acggtcacgt ttacatgtt catgtcgctc atgctctggg ggacccatctt ctgcctgggg
661 ctgctgccc tcatgggtcg gaactgcctc cgagacgagt ccacctgcag cgtggtcaga
721 ccgctcacca agaacaacgc ggcacccctc tcgggtccct tcctcttcat gtttgcgtct
781 atgcttcaggc tctacatcca gatctgtaaat attgtatga ggcacccca tcagatagcc
841 ctgcagcacc acttcctggc cacgtcgac tatgtgacca cccggaaagg ggtctccacc
901 ctggctatca tcctggggac gtttgcgtct tgctggatgc ctttcacccctt ctatcccttgc

961 atagcggatt acacacctacc ctcacatctat acctacgcca ccctccgtgcc cgccaccc tac
1021 aattccatca tcaaccctgt catataatgc ttcaaaaaacc aagagatcca gaaaggcgctc
1081 tgtctcattt gctcggtcg catccccgtcc agtctcgcccc agagagcgcg ctgcggcagt
1141 gatgtgttagc acccttgac ccaggaggac tctgcattta ccaagcactt ccactgcctg
1201 gccaagggtt gagatgcctc ccttgaattc

Protein ID: AAA91630.1

Protein GI: 604500

Sequence:

MNEDLKVNLSGLPRDYLDAAAAENISAAVSSRVPAVEPEPELVV
NPWDIVLCTSGLSCENAIIVLIFHNPSLRAPMFLLIGSLALADLLAGIGLITNFV
FAYLLQSEATKLVTIGLIVASFASVCSLLAITVDRLSLYALTYHSERTVTFTYVM
LVMLWGTTSICLGLLPVMGWNLRDESTCSVVRPLTKNNAAILSVSFLFMFALMLQLYI
QICKIVMRHAHQIALQHHFLATSHYVTTRKGVSTLAIILGTFAACWMPFTLYSLIADY
TYPsiYTYATLLPATYNSIINPVIYAFRNQEIQKALCLICCGCIPSSLAQRARSPSDV

Cytokine Inducible Kinase (CNK, PRK)

Nucleotide Accession No. U56998

GI: 1488262

Sequence:

1 cggcctccga gtgccttgcg cgacacctgag ctggagatgc tggccgggct accgacgtca
61 gaccccccggc gcctcatcac ggaccccgcc agcggccgca cttacactaa aggccgcttg
121 ttggcaagg ggggcttcgc cccgtctac gaggccactg acacagagac tggcagcgcc
181 tacgctgtca aagtcatccc gcagagccgc gtcgccaagc cgcacatcgcc cgagaagatc
241 ctaaatgaga ttgagctgca ccggagacatcg cagcaccggcc acatcgctgc ttttcgcac
301 cacttgagg acgctgacaa catctacatt ttcttgaggc tctgcagccg aaagtccctg
361 gcccacatct ggaaggcccg gcacaccctg ttggagccag aagtgcgcta ctacctgcgg
421 cagatccctt ctggcctcaa gtactgcac cagcgcggca tctgcacccg ggacctcaag
481 ttggaaatt ttccatcac tgagaacatcg gaactgaagg tggggattt tggcgtggca
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661 tgtgtcatgt acacgctgt ctgcgggagc cttcccttg agacggctga cctgaaggag
721 acgtaccgt gcatcaagca gtttactac acgctgcctg ccagcccttc actgcctgcc
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901 tgcgtgacag tcccagacact gacacccccc aacccagctt ggagtctgtt tgccaaagt
961 accaagagcc tcttggcggaa aagaagaag agtaagaatc atgcccagga gagggatgag
1021 gtctccgggtt tggtagccg cctcatgcgc acatccgtt gccatcgatg tgccaggcca
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1321 gttgactact ccaataagtt cggcatttggg tatcaactgt ccagccggcg tggctgt
1381 ctctcaacg atggcacaca tatggccctg tcggccaaca gaaagactgt gcactacaat
1441 cccaccagca caaagcacct ctcctctcc gtgggtctg tgccccgggc cctgcagct
1501 cagctggta tcctgcggta ctgcgcctcc tacatggagc agcacctcat gaagggtgga
1561 gatctgcccgtt gttggaaaga ggttagaggta cctgctccgc cctgctgtc gcagtgggt
1621 aagacggatc aggctctccat cttgtttt aatgtatggca ctgtccaggta aacttctac
1681 ggggaccaca ccaagctgtat ttcgtggc tggagcccccc tcctgtgac tttgtggcc
1741 cggaaatcgta gtgcgtgtac ttacctcgct tcccacccctc ggcagctggg ctgcgttcca
1801 gacctgcggc agcgactccg ctatgtctg cgccgttcc gggaccgcag cccagcttag
1861 gacccaagcc ctgaaggcct gaggcctgtc cctgtcaggc tctggccctt gccttgtgg
1921 cctccccctt tccttggtg ctcactggg ggcttgggc cgaatcccccc agggaatcag
1981 ggaccagctt tactggagtt gggggccgct tgcgttgcgtt ggcttccacc ccatctccaa
2041 gataagccgtt agccttagct cccagctagg gggcgtaatt tatggaccac tttatttat
2101 tgtcagacac ttatttattt ggtatgtgagc cccagggggc ctcccttag gataataaac
2161 aattttgca

Protein ID: AAC50637.1

Protein GI: 1488263

Sequence:

MLAGLPTSDPGRRLITDPRSGRTYLKGRLLGKGGFARCYEATDTE
TGSAYAVKVIPQSRVAKPHQREKILNEIELHRDLQHRRHIVRFSHHFEDADNIYIFLEL
CSRKSLAHIWKARHTLLEPEVRYYLQRQILSGLKYLHQRGILHSDLKLGNFFITENMEL
KVGDFGLAARLEPPEQRKKTICGTPNYVAPEVLLRQGHGPEADWVSLGCVMYTLLCGS
PPFETADLKETYRCIKQVHYTLPPASLSLPAQQLLAIRASPRDRPSIDQILRHDFFT
KGYTPDRLPISSCVTPDLTPNPARSLSFAKVTKSLFGRKKKSKNHAQERDEVSGLVS
GLMRTSVGHQDARPEAPAAAGPAPVSLVETAPEDSSPRGTASSGDGFEEGLTVATVV
ESALCALRNCAFMPPAEQNPNPLAQPEPLVVVSKWVDYSNKFGFGYQLSSRRVAVLF
NDGTHMALSANRKTVHYNPTSTKHFSFSVGAVERALQPQLGILRYFASYMEQHLMKGG
DLPSVEEVVPAPPPLLQWVKTQALLMLFSDGTVQVNFYGDHTKLILSGWEPLLVT
VARNRSACTYLAHLRQLGCSPDLRQRLRYALRLLRDRSPA

Mitogen-activated protein kinase kinase 5 (MAPKK5)

Nucleotide Accession No. U71087

GI: 1616778

Sequence:

1 cctccctaacc agcggccagt gggttccca taccccagga tttgagcctc tttaacctgt
61 aatgtgtgg ctggcccttg gcccctttcc tgccatggag aaccagggtgc tggtaattcg
121 catcaagatc ccaaatagtg gcgcgggtgga ctggacagtgc cactccgggc cgcatgttac
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241 tgaatatgaa gatgaagatg gtgtatcgaa tacagtgaga agtgtatgggg aaatgtggc
301 aatgtgtca tattttttt ccacagtaat gtaatggac agttaataga
361 gcctctgcag atatccaa gagcctgcaaa gcctctggg gaacgaaaca tacatggcct
421 gaaggtgaat actcggggccg gaccctctca acacagcgc ccagcagtct cagattcact
481 tccaagcaat agcttaaaga agtctctgc tgaactgaaa aaaatactag ccaatggcca
541 gatgaatgaa caagacatac gatatcggtt cactctggt catggcaacg gaggcacagt
601 ctacaaagca tatcatgtcc cgagtggaa aatattatgt gtaaagggtca tactactaga
661 tattacactg gaactcaga agcaaattat gctgtatgg gaaattcttt ataagtgcga
721 ttcatcatat atcatggat ttatggagc atttttgta gaaaacagga ttcaatatg
781 tacagaattc atggatgggg gatcttggta ttttatatgg aaaatgccag aacatgtcct
841 tggagaattt gcagtagcag ttgtttaagg ccttacttta ttgtggagtt taaagatttt
901 acatagagac gtaagccct ccaatatgtc agtaaacaca agaggacagg ttaagctgt
961 tgatttggta gttagcactc agctgggtgaa ttctatagcc aagacgtatg ttggaaacaaa
1021 tgcttatatg ggcctgaaa ggatttcagg ggagcagttt ggaatttcatt ctgtatgt
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1201 gcccgtctt ccagttggag agtcttcggta gccatttgta catttcatca ctcatgtt
1261 gcgaaaaacag cccaaagaaa ggccagcacc tgaagaatgtt atggggccacc cggtcatgt
1321 gcagttcaat gatggaaatg ccggcgtgtt gtccatgtgg gtgtggccggg cgctggagga
1381 gagggccggc cagcaggggc cccctgtgagg ctggccgcagg gcactgaaag cccaggacc
1441 gtaaccaagg agaacaaccc accccgtcgcc ctctccgttgc tgcgtccgc gccagaagag
1501 ctttgcgtggg ccctggcttc cctggccctcg ctttcaccct ctgtcag

Protein ID: AAB16851.1

Protein GI: 1616779

Sequence:

MLWLALGPFPAMENQVLVIRIKIPNSGAVDWTVHSGPQLLFRDV
LDVIGQVLPEATTAFYEDEDGDRITVRSDEEMKAMILSYYSTVMEQQVNGQLIEPL
QIFPRACKPPGERNIHGLKVNTRAGPSQHSSPAVSDSLPSNSLKKSSAELKKILANGQ
MNEQDIRYRDTLGHNGGTVYKAYHVPKGKILAVKVILLDTLELOKQIMSELEILYK
CDSSYIIGFYGAFFVENRISICTEFMDGGSLDVYRKMPHEVLGRIAVAVVKGLTYLWS
LKILHRDVKPNSMLVNTRGQVKLCDFGVSTQLVNSIAKYVGTNAYMAPERISGEQYG
IHSDVWWSLGISFMELALGRFPYPQIQKNQGSLMPLQLLQCIVDEDSPVLPVGEFSEPF
VHFITQCMRKQPKERPAPEELMGHPFIVQFNNDGNAAVVSMWVCRALEERRSQGQPP

Phosphatidylinositol 4-kinase, catalytic, beta polypeptide (PI4KB/ T3 PI4KB)

Nucleotide Accession No. U81802

GI: 1894946

Sequence:

1 gaagtccctca tcagattaca ctgggtgac tactccggag cagccactaa gagggatgaa
61 caggcctgcg tgaaaattga atgagattag ttgagtcac gctccatgag aatgtgaac
121 accatccaaa gcagcaaatt gagattcctt gatltgggaa agaggttgg gagaaccct
181 tcaataattg gcatggaca agaggggacc cagtccaaatgttgggaa cttccagtag
241 ggaggaacaa tcagagaga gcttggaaac tcgaagtctg gctgtggcca tggagatata
301 agtagtgag cctgccccct tgaagccaaac ttctgagccc acttctggcc caccaggaa
361 taatgggggg tccctgctaa gtgtcatcac ggagggggc ggggaaactat cagtgttga
421 ccctgagggtg gcccagaagg cctgcccgggaa ggttgggaa aggtcaagc ttgtcatgg
481 aggctggca gctcttagca gaggcacccc actggagtttgcataatgggg atgggtgttga
541 cagttagatc cttgccttag atgtccacc tgcccaatc agggaggagg aagatgat
601 gggggccgt gtggccttag gcacagccaa aggagcaaga agacggccggc agaacaactc
661 agctaaacag tcttggctgc tgaggctgtt tgagtcaaaa ctgttgcaca tctccatggc
721 catttcatac ctgtataact ccaaggagcc tggagtacaa gcctacattt gcaacccgct
781 ctctgcctt cgcaacgggg acgtggactt ctatgtccca cagtgccta atatgtat
841 ccacatggat gaggacgtgg gtgtatccat taagccctac atatgtccacc gtggccggca
901 gaggatataac ttccctcc agtgtccctt gtgggtggg gcctattctt cagacatgca
961 catttcact caacgacact cccgtgggac caagctacgg aagctgtatc ttcagatga
1021 gctaaagcca gtcacagga agagggagct gccccttggcc agccggccc ctgatacagg
1081 gctgtccccc tccaaaagga ctaccacgcg cttaagtca gatgccactg ccacgataag
1141 tctcagcgc aacctgaaac gaacagccag caaccctaaa gtggagaatg aggatgagcc
1201 tggcactg gctctgaga gagaattcat caagtccctt atggcgatcg gcaagccgg
1261 ggtcacgctc cccacccaaag agcagaaaaac acagaggctg atctcagagc tctccctgt
1321 caaccataag ctccctgccc gagtctggct gtccactgtt ggggttggacc accacgttgt
1381 ccgtgtaccc cacacacagg ctgtgtctt caactccaaag gacaaggctc cctacctgt
1441 ttatgtggaa gtcctgaat gtggaaactt tgacaccacc agtgtccctt cccggatccc
1501 cgagaacccga attcggagta cgaggccgtt agaaaaacttgc cccgaatgtt gtattacc
1561 tgagcagcga gctggcagct tcagcactgt gcccactat gacaacgtat atggggcc
1621 gtcgggtggat gacataggcg agtgcataatggggcccaatggatgcata ccaacagctg
1681 tgacaacatc tccctgttctt ctgtggacag catcaccaggc caggagagca aggac
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1921 gtcagtcattt gtcagttgtt gggatgtactt tcggcaagag ctcttcggctt ttca
1981 gaagcaactg cagtcattt gggatgtactt tcggcaagag ctcttcggctt ttca
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2281 ggacgcagaa ggcacatca tccacatcga tttgtcttc atcccttcca gtcaccc
2341 aaatctgggc ttgagatgtt cagccctttaa gtcgaccaca gagttgtgg atgtatgg
2401 cggccctggat ggcacatgt tcaactacta taagatgtt atgtgtcaag gggtt
2461 cgttcggaaa ccatggaca aggtggcga gatgtgggg atcatgtccac aagggtt
2521 gcttccttgc tttcatggctt ccacccat tggaaatccca aaagagatgtt tccat
2581 catgactgtt gggatgttgc agtgcgtt gggatgttgc gatgtggc
2641 tatcaccacc aaactctatg acggcttcca gatgttgc acaccc
2701 tccctcgttccatggctt ccacccat tggaaatccca aaagagatgtt tccat
2761 aaaccccaaa ccaggaaacc ccacccatcc aaccatccac ccaaggaaa
2821 gaaacacgaa ggtatgttgc gtaactgttgc gatgttgc
2881 tgggttccatggcttccatggctt ccacccat tggaaatccca aaac
2941 gactgttgc accactactt gcccctccaga aaac
3001 gggcccttctt tcccttgc ggggttccatggctt
3061 tcccttgc

Protein ID: AAC51156.1

Protein GI: 1894947

Sequence:

MGDTVVEPAPLKPTSEPTSGPPGNNGSLLSVITEVGVELSID
PEVAQKACQEVLKVKLLHGGAVSSRGTPLEVNGDGVDSEIRCLDDPPAQIREEED
EMGAAVASGTAKGARRRQNNSAKQSWLLRFESKLFDISMAISYLYNSKEPGVQAYI
GNRLFCFRNEDVDFYLPQLLNMYIHMDDEVGDAIKPYIVHRCRQSINFSLQCALLVGA
YSSDMHISTQRHSRGTKLKLILSDELKPAHRKRELPSPAPDTGLSPSKRTHQRSK
SDATASISLSSNLKRTASNPKVENEDEPVRLAPEREFIKSLMAIGKRVVTLPTEQKT
QRLISELSLLNHKLPARVWLSTAGFDHHVVRVPHTQAVVLSNKDKAPYLIYVEVLECE
NFDTTSPARIPENRIRSTRSVENLP ECGITHEQRAGSFSTPVNYDNDDEAWSVDDIG
ELQVELPEVHTNSCDNISQFSVDSITSQESKEPVFIAAGDIRRLSEQLAHTPTAFKR
DPEDPSAVALKEPWQEKVRRIREGSPYGHLPNWRLSIVKCGDDL RQELLAFQVLKQ
LQSIWEQERVPLWIKPYKILVISADSGMIEPVVNAVSIHQVKKQSLSLLDYFLQEHG
SYTTEAFLSAQRNFVQSCAGYCLVCYLLQVKDRHNGNILLDAEGHIIIDFGFILSSS
PRNLGFETSAFKLTTEFVDVMGGLDGMFNEYKMLMLQGLIAARKHMDKVVQIVEIMQ
QGSQLPCFHGSSTIRNLKERFHMSMTEEQLQLLVEQMVDGSMRSITTKLYDGFQYLTN
GIM

Fms-related tyrosine kinase 4 (FLT4)

Nucleotide Accession No. X69878

GI: 297049

Sequence:

1 acccacgcgc agcggccgga gatgcagcgg ggccgcgc tgcgtcgactgtggctc
61 tgcctggac tccggacgg cctggtagt gactactcca tgaccccccc gaccttgaac
121 atcacggagg agtcacacgt catcgacacc ggtgacagcc tgcctatctc ctgcaggggaa
181 cagcaccccc tcgagtgggc ttggccagga gtcaggagg ccgcagccac cggagacaag
241 gacagcgagg acacgggggt ggtgcgagac tgcgagggca cagaccccag gcctactgc
301 aagggtgtgc tgctgcacca ggtacatgcc aacgacacag gcagctacgt ctgtactac
361 aagtacatca aggacacat cgagggcacc acggccgcca gtcctacgt gttcgtgaga
421 gacttgagc agccattcat caacaagcct gacacgctct tggtaacacag gaaggacgcc
481 atgtgggtgc cctgtcttgt gtccatcccc ggcctaata tcaacgtcgctcgc aaaggac
541 tcgggtctgt ggccagacgg gcaggagggt gtgtggatg accggccggg catgtcg
601 tccacgcccac tgctgcacga tgccctgtac ctgcgtcg agaccacctg gggagaccag
661 gacttcctt ccaacccctt cctggfcaatc acacaggca acgagctta tgacatccag
721 ctgtggccca ggaagtgcgt ggagctgctg gttagggaga agctggctt caactgcacc
781 gtgtggctg agttaactc aggtgtcacc ttgactggg actacccagg gaaggcaggca
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961 aacggcatcc agcgattcg ggagagcacc gaggtcatgg tgcataaaaa tcccttcac
1021 agcgtcgagt ggctcaaagg acccatctg gaggccacgg caggagacga gctggtaag
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1141 gcaactgtccg ggcgccacag tccacatgcc ctgggtctca aggagggtac agaggccagc
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1321 atctactcgc gtcacagccg ccaggccctc acctgcacgg cctacggggt gcccctgcct
1381 cttagcatcc agtggactg gggccctgg acaccctgca agatgttgc ccagcgtagt
1441 ctccggcggc ggcagcagca agacctcatg ccacagtgcgt gtgactggag ggcgggtgacc
1501 acgcaggatg ccgtgaaccc catcgagagc ctggacaccc ggaccgagtt tgtggaggga
1561 aagaataaga ctgtgagcaa gctgtgatc cagaatgcca acgtgtctgc catgtacaag
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1741 gtgtccctga gctgccaagc cgacagctac aagtacgagc atctgcgcgt gtaccgcctc
1801 aacctgtcca cgctgcacga tgccgcacggg aacccgcctc tgctcgactg caagaacgtg
1861 catcttgcg ccacccctct ggccgcacgc ctggaggagg tggcacctgg ggccgcac
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2461 tccatcatca tggacccccc ggagggtgcct ctggaggagc aatgcgaata cctgtccctac
2521 gatgccagcc agtggaaatt ccccccggag cggctgcacc tggggagagt gtcggctac
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2761 ggggcgtgca ccaagccgca gggcccccctc atgggtatcg tggagttctg caagtacggc
2821 aacctctcca acttccctgcg cgccaaagccg gacgcctca gcccctgcgc ggagaagtct
2881 cccgagcagc gcgacgcgtt ccgcgcgtt gtttttttttttttttttttttttttttttttt
2941 cgggggagca gcgacagggt cctcttcgcg cgggttcgcg agaccggagg cggagccgg
3001 cgggcttc cagaccaaga agtgcggac ctgtggctga gcccgcgtac catggaaat
3061 ctgtctgc acagcttcca ggtggccaga gggatggatgt tcccttc cccaaatgtc
3121 atccacagag acctggctgc tcggaacatt ctgtgtcgaa aagcgacgt ggtgaagatc
3181 ttt
3241 gcccggcttc ccctgaatgt gatggccctt gaaagcatct tcgacaaggat gtacaccac
3301 cagagtgcg ttt
3361 ccgtaccctt ggggtcgatcaatgggggggggggggggggggggggggggggggggggggg
3421 atgagggccc cggagctggc cactccgccttcc accatggccaca tcatgttgcgaa ctgtggtcc
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3781 acatttgg
3841 gacagtgg
3901 gaaagccggct tcaggtagct gaagcagaga gagagaaggc agcatacgic agcattttct
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4021 tctactacaa acttcaaaaga ggaaccaggag ggacaaggagg agcatgaaag tggacaagg
4081 gtgtgaccac tgaagcacca cagggggggggggggggggggggggggggggggggggggg
4141 ggataatatic cagccctcca caagaagctg gtggagcaga gtgtccctg actccctccaa
4201 ggaaaggaggg
4261 ttactgcgtt accaaagggcccttc atgggtgcgttgc gatgttttttttttttttttttt
4321 tcttgccttc taggtcactt ctcacaatgt cccttcagca cctgcgttgcg tgggggggg
4381 ttattcccttgc gtaatatggaa taatacatca aagagttagta taaaagctt attaatcatg
4441 ttataaaaaaa

Protein ID: CAA49505.1

Protein GI: 297050

Sequence:

MQRGAALCLRLWLCLGLLDGLVSDYSMTPPTLNITEESHVIDTG
DSLSISCRGQHPLEWAWPGAQEAPATGDKDSEDTGVWRDCEGTDARPYCKVLLHEVH
ANDTGSYVCYYKYIKARIETTAASSYVFVRDFEQPFINKPDPLLVRKDAMWPCLV
SIPGLNVTLSQSSVLWPDGQEWWDDRRGMLVSTPLLHDALYLQCETTWGDQDFLSN
PFLVHITGNELYDIQLLPRKSLELLVGEKLVNCTVVAEFNSGVTFDWDYPGKQAERG
KWVPERRSQQTTELSSILTIHVSQHDLGSYVCKANGIQRFRRESTEVIVHENPFIS
VEWLKGPILEATAGDELVKLPVKLAAYPPPEFQWYKDGKALSGRHSPHALVLKEVTEA
STGTYTTLALWNSAAGLRRNISLELVNVPPQIHEKEASSPSIYSRHSRQALTCTAYGV
PLPLSIQWHWRPWTCPKMFAQRSRQQDLMPCQCRDWRAVTTQDAVNPIESLDTWT
EFVEGKNKTVSKLVIQANANVSAMYKCVVSNKVGQDERLIYFYVTIPDGFTIESKPSE
ELLEGQPVLSCQADSYKYEHLRWYRLNLSTLDAHGNPLLDCKNVHLFATPLAASL
EEVAPGARHATLSL SIPRVAPEHEGHYVCEVQDRRSHDKCHKKYLSVQALEAPRLTQ
NLTDLLNVSDSLEMQCLVAGAHAPSIVWYKDERLLEEKSGVDLADSNQKLSIQRVRE
EDAGPYLCVCRPKGCVNSSAVAVEGSEDKGSMEIVILVGTGIAVFFWVLLLIFC
NMRRPAHADIKTGYLSIIMDPGEVPLEEYC EYLSYDASQWEFPRERLHLGRVLYGAF
GKVEASAAGFIHKGSSCDTVAKMLKEGATASEQRALMSELKILIHNHLNVNLLG
ACTKPQGPLMVIVEFKYGNLSNFLRAKRDASPCKAEKSPEQRGRFRAMVELARLDRR
RPGSSDRVLFARFSKTEGGARRASPDQEAEDLWLSPLTMEDLVCYSFQVARGMEFLAS
RKCIHRDLAARNILLSESDVVKICDFGLARDIYKDPDYVRKGSARLPLKWMAPESIFD
KVYTTQSDWWSFGVLLWEIFSLGASPYPGVQINEECQRVRDGTRMRAPELATPAIRH
IMLNCWSDGPKARPAFSDLVEILGDLLQGRGLQEEEVCMAPRSSQSSEEFSFSQVST
MALHIAQADAEDSPPSLQRHSLAARYYNWVSPGCLARGAETRGSSRMKTFEFPMT
TTYKGSVNDNQTDGMVLASEEFQIESRHRQESGFR

Protein serine kinase H1 (PSKH1)

Nucleotide Accession No. XM_0430447

GI: 22067477

Sequence:

1 attgccccga gatggccggc agagccgccc agacgcccga gagcccccgc cccgcgcgag
61 gtgttagacgg ggcactgcct tcagagcagg tccgtccagg ctgcgtggag aggatgccct
121 cgtgtccgtg atgggctgtg ggacaagcaa ggtccctccc gagccaccca aggatgtcca
181 gctggatctg gtcaagaagg tggagccctt cagtggact aagagtgcg tgtacaagca
241 cttcatcaca gaggtggaca gtgtggccc tgtcaaagcc gggttcccgag cagcaagtca
301 gatatcacac ccctgccccg gtcccccggac tgctggccac acggagccctc cctcagaacc
361 accacgcagg gccagggtag ctaagtacag gccaagtt gacccacgtg ttacagctaa
421 gatgacatc aaggccctaa ttggccgagg cagttcagc cgagtggtac gtgtagagca
481 ccgggcaacc cggcagccgt atgccccaa gatgatttag accaagtacc gggaggggcg
541 ggagggtgtg gagtcggagc tgctgtgtgc gcgtcggtg cgtcatgcca acatcatcca
601 gctgggtggag gtgttcgaga cacaggagcg ggtgtacatg tgatggagc tggccactgg
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721 ggtgtcgacatgggtcgatggcgtccg gtatctgtc gactggca tcacacacc
781 agacctaaa cctgagaatc tgctctacta ccatccgggc actgactcca agatcatcat
841 caccgacttc ggcctggcca gtgctgcaaa gaagggtgat gactgctga tgaagaccac
901 ctgtggcacg cctgagtaca ttgccccaga agtccctggtc cgcaagccat acaccaactc

Protein ID: XP_043047.1

Protein GI: 14776113

Sequence:

MCGTSKVLPEPPKDVQLDLVKKVEPFSGTKSDVYKHFITEVDS
VGPVKAGFPAAASQYAHPCPGPPTAGHTEPPSEPPRARRVAKYRAKFDPRTAKYDIKA
LIGRGSFSRVVRVEHRATRQPYAIKMIETKYREGREVCESLRVLRVVRHANIQLVE

VFETQERVYVMELATGGELFDRIIAKGSFTERDATRVLQMVLGVRYLHALGITHRD
LK PENL LY HPGTDSKIITDFGLASARKKGDDCLMKTCGTPEYIAPEVLVRKPYTN
SVDMWALGVIAYILLSGTMPFEDDNRTRLYRQILRGKYSYSGEPWPSVSNLAKDFIDR
LLTVDPGARMTALQALRHPWVVSMAASSSMKNLHRSISQNLLKASSRCQSTKSAQST
RSSRSTRSNKSRRVRERELRELNLRYQQQYNG

Inosito 1,4,5-triphosphate 3-kinase C (ITPKC)

Nucleotide Accession No. Y11999

GI: 1914774

Sequence:

1 gcagtccacca agccccgcta catgcagtgg agggaaacca tgagctccac ctctaccctg
61 ggctccggta tcgaggcat caagaaggca gatgggacct gtaacaccaa cttcaagaag
121 acgcaggcac tggagcaggt gacaaaagtg ctggaggact tcgtggatgg agaccacgtc
181 atcctgcaaa agtacgtggc atgcctagaa gaacttcgtg aagctctggaa gatctcccc
241 ttctcaaga cccacgaggt ggtaggcagc tccctccct tcgtgcacga ccacacccggc
301 clggccaagg tctggatgt agacitccgc aagacggtg ccttgcccga ccaccagacg
361 ctcagccaca ggctgcccgt ggctgagggc aaccgtgagg acggctacct c

Protein ID: CAA72728.1

Protein GI: 1914775

Sequence:

AVTKPRYMQWRETMSSSTLGFRIEGIKKADGTCNTNFKKTQAL

EQVTKVLEDVVDGDHVILQKYVACLEELREALEISPFFKTHEVVGSSLLFVHDHTGLA
KWWMIDFGKTVALPDHQTLSHRLPWAEGNREDGYL